

MEETH JITENDRA DAVDA

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EDUCATION

R.V College of Engineering, Bangalore

Bachelor of Engineering (Computer Science and Engineering)

Dec 2020- Aug 2024

8.86 GPA

PROFESSIONAL EXPERIENCE

Software Engineer, Boeing India, Bangalore

Sep 2024 - Present

- Develop and rigorously test flight management tools, ensuring adherence to stringent safety protocols and regulatory standards for enhanced aircraft performance.
 - Automate requirement-based testing through Python scripting, optimizing test case execution and significantly reducing manual effort in quality assurance processes.
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INTERNSHIPS

Technical Intern, Rakuten, Bangalore

Feb 2024 - Aug 2024

- Led the design and development of a NextJS-based dashboard with Springboot backend that streamlined the creation of annotation jobs by offering pre-built templates, cutting job setup time by 35%.
- Developed a customer-ready Java SDK from scratch, enabling users to interact with the annotation platform programmatically, enhancing user experience while shipping the SDK to production under tight deadlines.

Research Intern, SCII, Bangalore

May 2023 - Nov 2023

- Led a team of 5 in developing an innovative blockchain-based document storage system using NFTs, collaborating with the SCII Japan team and RVCE's Computer Science department to ensure platform feasibility.
- Designed and developed two MERN stack platforms—one for NFT purchases and another for secure document access and storage via decentralized servers (IPFS), gaining leadership and project management experience.

Software Engineer Intern, Boeing, Bangalore

Jun 2023 - Aug 2023

- Contributed to a live project for the International Space Station team, increasing ground mechanics' efficiency by 30% by developing a dynamic UI interface using AngularJS.
- Gained valuable experience in agile development and adaptability by working closely with a cross-functional team to meet evolving user requirements.

Software Intern, GreenMonk Energy, Bangalore

Oct 2022 - Apr 2023

- Developed and Designed an Ecommerce platform on Mobile using React Native as frontend and firebase as backend service.
 - Reported directly to the CEO regarding project progress and hurdles.
 - Learned how to work in a startup environment, improved communication skills.
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PROJECTS

Support AI ChatBot for International Hackathon

May 2024 - Aug 2024

Team Member (4 members)

- Created an AI chatbot using OpenAI's API and optimized backend costs by implementing Python's Slow API for rate-limiting and keyword pattern matching.
- Reduced operational costs by optimizing token usage with efficient algorithms, enhancing user experience with a ReactJS frontend and Python Flask backend.

Document Verification using NFTs

May 2023 - Oct 2023

Team Lead (5 members)

- Developed a secure, blockchain-based platform to verify confidential documents, implementing NFTs and decentralized storage via IPFS for tamper-proof integrity.
- Led the team in writing smart contracts using Solidity and integrating ReactJS, NodeJS, MongoDB, Polygon and Ethereum blockchain to build the platform.

Smart Portable Traffic Signaling System

Oct 2021 - 2022

Team Member (4 members)

- Built a dynamic traffic system using YOLO model and Python, enabling real-time detection of traffic density to optimize signal performance.
- Integrated a Raspberry Pi with C programming to control a rotating camera system for real-time traffic monitoring and cloud-based decision-making.

Procurement Management System for Supply Chain

Mar 2023 - April 2023

Team Member (2 members)

- Designed a MERN stack dashboard providing real-time insights on warehouse stock, visualized through interactive charts, graphs, and color-coded alerts.

- Integrated Mailchimp for automatic alerts to warehouse managers on low stock levels, streamlining supply chain management operations.

Design Thinking Project (Quality Education through ICT)

Jan 2023 - Feb 2023

Team Lead (4 members)

- Applied Stanford's 5 stages of Design Thinking to develop an interactive 3D game using Unreal Engine 4 and C++, enhancing computer science education through AR/VR tools.
- Prototyped and tested a learning platform for students to engage in complex concepts using immersive and interactive simulations.

RESEARCH PUBLICATIONS

- **“Impact of Human-in-the-Loop paradigm in AI Labeling and Annotation,”** 2024 8th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS) Nov 2024
-Explores the integration of human feedback in AI labeling processes to improve accuracy and adaptability in annotation systems. Accepted for publication, pending release.
- **“Decentralized Document Storage and NFT Authentication using Blockchain Technology,”** 2024 8th International Conference on Computational System and Information Technology for Sustainable Solutions (CSITSS). Nov 2024
-Proposes a novel method for secure document storage and authentication using blockchain and NFTs, ensuring tamper-proof verification. Accepted for publication, pending release.

POSITIONS OF RESPONSIBILITY

- Core Member, Entrepreneurship Cell, RVCE, Bangalore (2021-2023)- Organized and conducted numerous offline and online events, collaborating with corporates and securing partnerships to raise funding.
- Team Lead, Blockchain-based Project Collaboration with SCII (Japanese Company) and RVCE CSE Dept (2023)- Led a team of 5 in the research and development of a novel blockchain project.
- Member, National Service Scheme (NSS), RVCE, Bangalore (2022-2024)- Promoted and participated in events such as plantation drives and marathons across colleges, securing thousands of registrations.
- Corporates and Partnerships vertical team member, Entrepreneurship Cell, 2022-2023- Partnered with 100+ Companies and raised over \$30,000 for events such as E-Summit, Embark.

CERTIFICATIONS

- Joy of Computing using Python, IIT Ropar Jan 2024
- Kubernetes Fundamentals, Infosys Springboot Jan 2024
- Introduction to Virtualization, Infosys Springboot Jan 2024
- Introduction to Cloud Computing, Infosys Springboot Jan 2024
- TechA Cloud Computing using Microsoft Azure Certification Jan 2024
- Artificial Intelligence Primer Certification, Infosys Springboot July 2023
- Java Developer Certification, Infosys Springboot Apr 2022

EXTRACURRICULAR ACTIVITIES

- Attended a National Level Integration camp organized by National Cadet Corps (NCC), over 500 cadets were selected across India to attend a 15 days training camp.
- Volunteered at RVCE, teaching science (Physics, Chemistry, Biology) and Mathematics to 7th and 8th-grade underprivileged students, fostering academic growth in a class of 70 students.
- As a member of the National Service Scheme (NSS), participated in environmental sustainability activities like Plog runs, Marathons, and plantation drives, alongside awareness-building campaigns in local communities.

TECHNICAL SKILLS

- Programming Language: C, C++, Javascript, Typescript, Solidity, Java
- Tools and Technologies: ReactJS, SQL, MongoDB, Public Blockchains, Hyperledger, MERN, Docker, Microservices, Git, AWS, OpenAI API.