Vedant Sanjay Pimple
Software Developer Engineer

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Passionate about technology and problem-solving, with experience in enhancing system performance, implementing APIs, and collaborating with clients to deliver user-centered features

EXPERIENCE

Software Developer Intern, Corepora - San Francisco Bay Area – California, USA   May 2024 – August 2024
- Designed and streamlined geospatial search backend utilizing Node.js and Amazon DynamoDB with Geo Library, enabling 25% more precise and efficient location-based queries
- Augmented the user portal's performance and accessibility, employing best practices in React, such as code-splitting and lazy loading, to optimize load times and user interface responsiveness
- Implemented a Node.js API gateway to streamline payment processing with Stripe, resolving latency issues and promoting system performance by 20%
- Communicated with 12 clients to boost user engagement on the dashboard by iterating on feedback and integrating filterable data tables into the CI/CD pipeline, leading to rapid feature deployment, a 25% increase in user engagement

Software Developer Intern, AjnaLens, Dimension NXG Pvt Ltd - Mumbai – India   January 2022 – May 2023
- Engineered an administration system for AI powered XR wearables, utilizing Angular, Node.js with Express, and MongoDB resulting in a 30% improvement in data handling efficiency and a 25% increase in system performance
- Collaborated with UX and QA teams to integrate AI-driven analytics into a React-based admin dashboard, resulting in a 40% improvement in decision-making speed throughout the development lifecycle
- Facilitated cross-functional collaborations with product managers and a team of 6, aligning development with user needs and business goals, resulting in a 25% improvement in project outcomes

PROJECTS

Student Empowerment Portal, MERN Stack   Fall 2023
- Orchestrated a student-centric web app using React, Node.js, Express, and MongoDB, consolidating career guidance, social awareness, and mental health resources
- Constructed a Profile Page with a rating system and visualized student achievements using Chart.js, promoting profile completion rates by 40% while collaborating with a team of 5

Automatic Intrusion Detection System Using Machine Learning and Hybrid Deep Learning   Spring 2022
- Implemented advanced algorithms like CNN, RNN, and Bi-LSTM models with NSL-KDD dataset for cyberattack detection (DoS, Probe, R2L), achieving 99% accuracy in identifying threats
- Directed the evaluation of multiple performance metrics for IDS, including precision, recall, and F1-score; identified optimal model configurations resulting in a 55% increase in overall system performance
- Published research paper at IEEE International Conference (ICDNS-2023); won the CSI Hackathon 2023

LEADERSHIP EXPERIENCE

Founder and President, Computer Society of India at RAIT – Mumbai, India   August 2019 – May 2023
- Pioneered and chaired CSI at RAIT, managing 90 students and 3,000+ members. Organized Technical Festival, attracting over 10,000 students across states, and improved engagement and industry partnerships by 30%
- Spearheaded CSI RAIT, elevating student-led tech projects by 40%, while publishing 5 research papers, mentoring 11 tech projects, and editing 2 technical magazines

EDUCATION

Syracuse University - College of Engineering & Computer Science, Syracuse, NY   August 2023 – May 2025
Master of Science in Computer Science (CGPA - 3.4/4)
Courses: Structured Programming and Formal Methods, Computer Architecture, Database Management Systems

Mumbai University - Ramrao Adik Institute of Technology, Mumbai, India   August 2019 – May 2023
Bachelor of Engineering in Computer Engineering (CGPA - 9.18/10)
Courses: Operating System, Computer Programming (C++, Java), Data Structures and Algorithms, Software Engineering, Object Oriented Design, Cloud Computing

TECHNICAL SKILLS
- **Programing Languages**: C, C++, Python, Java, JavaScript
- **Databases:** SQL, PostgreSQL, Oracle, MongoDB, PHP, AWS, Firebase, Google Cloud
- **Frameworks:** React, Nodejs, Angular, Vue, Express, Flutter, React Native
- **Additional:** Git, Docker, Jenkins, RESTful APIs, GraphQL, JWT, OpenID Connect