

Vedant Pimple

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EXPERIENCE

Johnson & Johnson

Sep 2023 – Apr 2025

Software Engineer Intern | *JavaScript, React, Node.js, Python, RESTful APIs, GPT-4, AWS*

New Brunswick, New Jersey

- Engineered full-stack application for patient billing, medical records, and data management, supporting 1M+ accounts and 15K+ daily transactions by developing RESTful APIs with Node.js, leveraged AWS data workflows, and designing reusable React components
- Built and deployed a GPT-4-powered safety advisor in a React portal by fine-tuning on FDA data, integrating with AWS Lambda and DynamoDB to reduce advisory errors and enable GenAI use in regulated workflows
- Optimized billing API uptime by 25% by developing versioned RESTful API services with Swagger docs and JWT auth on AWS Gateway, reducing errors and streamlining partner integrations
- Engaged in code reviews and advocated best coding practices like modular design, DRY principles, and comprehensive testing

Intex Technologies

Jan 2021 - Jul 2023

Software Engineer I | *Go, React, Node.js, LLM, TensorFlow, LangChain, AWS, Jenkins, Docker*

Delhi, India

- Delivered 8 full-stack applications (screen-readers, high-contrast themes) and 5+ configurable services using Go concurrency and an event-driven CQRS architecture, elevating usability, integrations, and efficiency
- Built GenAI-driven maintenance tools including fault prediction and anomaly detection by integrating LLMs for log analysis using LangChain, Hugging Face, React, Node.js, and TensorFlow, enabling proactive decisions via real-time dashboards in Agile teams
- Reduced reporting time by 70% and empowered data-driven leadership decisions by archiving 5 TB+ to AWS S3 and leveraging Amazon Redshift-backed Power BI dashboards
- Set up CI/CD pipelines deploying Jenkins for orchestration, Docker for containerized builds, and Selenium for automated testing, supporting 6 major releases in fiscal year and ensuring efficient and reliable product rollouts

RAIT - AjnaLens

Jan 2020 - Dec 2020

Software Engineer Intern | *Angular, TypeScript, Node.js, Express, Jest, Redis, MongoDB, WebSocket*

Delhi, India

- Enhanced user experience by 30% through collaboration in Agile teams to build WCAG 2.0 compliant Angular components using ARIA attributes, keyboard support, and design-system-based theming for inclusive real estate UI
- Improved API response times by 60% on 5k+ daily requests by partnering with senior engineers to refactor MongoDB data models, author 150+ Jest unit tests, and deployed Redis caching
- Formulated responsive React and D3.js dashboard with WebSocket-powered real-time charts and designed an LSTM-based anomaly detection model for streaming data

PROJECTS

LinkUp – Real-Time Chat Application | *MongoDB, Express.js, React, Node.js, Socket.io, TailwindCSS, DaisyUI* ([GitHub](#))

Jan 2025

- Designed to support 10K+ concurrent users with sub-100 ms message delivery by architecting a MERN-based Socket.io messaging layer, managing real-time global state with Zustand, and securing channels via JWT authentication
- Boosted reliability and UX by implementing end-to-end error handling on client/server, displaying online-user status indicators, styling with Tailwind CSS & Daisy UI, and deploying cost-free to Vercel for seamless production launches

Intrusion Detection System | *Python, TensorFlow, CNN-Bi-LSTM, RNN-LSTM, NSL-KDD, NumPy, Scikit-Learn* ([GitHub](#))

Apr 2024

- Achieved 98.72% classification accuracy on the NSL-KDD dataset by engineering a hybrid CNN-Bi-LSTM model with automated feature-extraction pipelines in TensorFlow, enabling real-time detection and categorization of malicious network traffic
- Validated and disseminated the solution by publishing “Hybrid Deep Learning Model for Automatic Intrusion Detection System” at IEEE ICDSNS 2023 showcasing a resource-efficient IDS deployable on constrained hardware for rapid, accurate threat mitigation

Nexus Care – Healthcare Platform | *Next.js, TypeScript, Appwrite, TailwindCSS, Twilio, Sentry* ([GitHub](#))

Dec 2023

- Enabled secure patient onboarding and file management by implementing Appwrite authentication and storage flows in a responsive Next.js/TypeScript portal, validated with 200+ simulated profiles
- Streamlined appointment administration and notifications by building a Next.js dashboard with Twilio SMS and Sentry edge functions, detecting and resolving 100+ simulated errors during Quality Assurance

EDUCATION

Syracuse University

May 2025

Master of Science in Computer Science

Syracuse, New York

- Relevant Courses: Advanced Data Structures & Algorithms, Distributed Systems & Cloud Computing, Machine Learning & Deep Learning
- IEEE Research Publication: [Hybrid Deep Learning Model for Automatic Intrusion Detection System using CNN Hybrid Architecture](#)

University of Mumbai, RAIT

May 2023

Bachelor of Engineering in Computer Engineering

Mumbai, India

SKILLS

Languages & Frameworks: JavaScript, TypeScript, Java, Python, Go, C, C++

Front End Technologies: HTML, CSS, TypeScript, React, Angular, Node.js, Express, Next.js, Redux

Cloud & DevOps: AWS (ECS/EKS, Lambda, S3, API Gateway), Azure, Docker, Kubernetes, Jenkins, GitHub Actions, Terraform

Database & Messaging: MongoDB, DynamoDB, PostgreSQL, Redis, Apache Kafka, RabbitMQ

AI/ML & LLMs: TensorFlow, Hugging Face Transformers, LangChain, GenAI, GPT-4

Mobile and Other: Flutter, React Native, Appwrite, TailwindCSS, Twilio, Sentry, Power BI

Certifications: AWS Certified Solutions Architect ([Link](#)) | AWS Certified Developer - Associate ([Link](#))