

Viditi Vartak

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EDUCATION

Master of Science in Computer Science, California State University Fullerton, CA

Aug 2023 – May 2025

- **Relevant Coursework:** Advanced Algorithms, Distributed Systems, Artificial Intelligence, Object Oriented programming

WORK EXPERIENCE

Software Engineer Intern, LendAPI

Jun 2025 – Aug 2025 | Irvine, United States

- Built a full-stack B2B loan application using Python, Django, and JavaScript with 10+ real-time features, reducing application processing time by 45%
- Implemented secure JWT authentication and API integration, decreasing unauthorized access by 40% and improving system reliability across GCP infrastructure
- Developed an intelligent customer service assistant using Python with fine-tuned ChatGPT models, automating 60% of support queries and reducing response latency by 40%
- Deployed scalable applications on AWS with continuous integration pipelines, ensuring 99.9% uptime and optimized resource utilization

Software Engineer, BussinessLab

Aug 2021 – Jul 2023 | Mumbai, India

- Architected microservices using Java (Spring Boot) and PostgreSQL, reducing risk identification time by 30% and streamlining policy renewal workflows
- Owned infrastructure automation using Terraform, Jenkins for end-to-end deployment testing; embedded Jira into CI/CD, cutting manual steps and deployment time by 30%.
- Built RESTful APIs with PostgreSQL, boosting data retrieval efficiency by 40% and streamlining customer and sales data flows.
- Developed scalable Python microservices to automate lead qualification, saving 6+ hours/week and improving conversion rates by 15%.
- Engineered a modular self-service platform with React and TypeScript to manage dynamic sales policies, reducing engineering support requests by 60% and accelerating deployment cycles by 40%.

Software Engineer Intern, Jiya Nutraherbs

May 2021 – Jul 2021 | Valsad, India

- Developed backend services using Node.js and Express.js for order processing and inventory management across multiple client projects
- Managed end-to-end application deployment on AWS, optimizing uptime and reducing manual work through automation and monitoring tools.
- Collaborated in Agile development cycles to deliver features that met business requirements and performance standards

Web Developer Intern, Nibodh

May 2019 – Oct 2019 | Mumbai, India

- Built a mobile-friendly UI with React, added 10+ features, integrated REST APIs, and deployed on Netlify, boosting engagement for 5000+ users
- Integrated AWS services (S3, Lambda), cutting data retrieval time by 30% and reducing administrative workload by 25%

SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL,


Frontend & UI: Vue.js, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, React.js

Backend: FastAPI, Node.js, Django REST, Express.js, REST APIs, GraphQL

DevOps & Cloud: AWS (EC2, S3, Lambda, DynamoDB), Docker, Kubernetes, Terraform, Jenkins

Certifications: AWS Certified Data Engineer – Associate, Databricks Generative AI Fundamentals

PROJECTS

SkySpark: Scalable Airline Performance Analysis, Tech Stack: Kubernetes, Apache Spark, Cassandra, Python, Matplotlib, Helm 

- Engineered a cloud-native data pipeline with Kubernetes, Apache Spark, and Cassandra, leveraging SQL queries within Spark for airline performance analysis; improved data accessibility by 40%

Resume Job Matcher AI, Tech Stack: React.js, Flask, PyPDF2, LangChain, Google Gemini, HTML/CSS, JavaScript, Web Scraping 

- Built Resume Job Matcher, an AI-powered platform using React.js, Flask, and Gemini via LangChain to analyze resumes and job descriptions. It visualizes skill matches and suggests tailored improvements using PDF parsing and web scraping

WhatsApp Chat Analyzer Using Artificial Intelligence, Tech Stack: Python, NLP, NLTK, VADER, Streamlit, Matplotlib 

- Designed and developed an AI-powered WhatsApp Chat Analyzer using NLP techniques and VADER for sentiment analysis, paired with interactive Streamlit dashboards for user-friendly data exploration.