

# Vishal Mohan Puri

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## Experience

### SOFTWARE DEVELOPER | ACCENTURE PVT LTD

JUN 2021 – AUG 2023

- Constructed 10+ robust serverless functions via AWS Lambda that streamlined routine tasks such as report generation and data backup, leading to a 25% reduction in manual processing time.
- Spearheaded the design and execution of backup and disaster recovery (DR) plans using Terraform and AWS services, decreasing recovery time objective (RTO) by 60 minutes.
- Orchestrated containerized applications using AWS EKS, deployed CI/CD pipelines with Jenkins, and contributed to the DevOps toolchain, integrating Ansible for automation and managing playbooks.
- Administered day-to-day support for AWS environments, focusing on troubleshooting, performance tuning, security management, and implementing CloudWatch monitoring and alerting solutions.
- Implemented Docker container snapshots, streamlined container management, and structured directory, ensuring smooth deployment and scalability of applications.

### SOFTWARE DEVELOPER ASSOCIATE | GLOBALSTEP PVT LTD

JAN 2021 – JUN 2021

- Built robust front-end applications using Python, TypeScript, Next.js, and React.js, focusing on enhancing user experience, code maintainability, and scalability.
- Integrated OpenAI API for Natural Language Processing (NLP) and Machine Learning functionalities, optimizing prompt engineering for improved chatbot responses.
- Led comprehensive testing and debugging, implementing unit, integration, and end-to-end tests to ensure seamless integration of TypeScript, Next.js, and React.js components with AI models.
- Developed a personalized video recommendation system using Large Language Models (LLM) to analyze video content and match it with user queries, enhancing leadership coaching experiences.

## Education

MASTER OF SCIENCE IN COMPUTER SCIENCE | UNIVERSITY OF TEXAS AT ARLINGTON

AUG 2023 - MAY 2025

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE | PUNE UNIVERSITY

AUG 2017 - MAY 2021

## Technical Skills

- Languages:** Python, Java, C++, HTML/CSS, JavaScript, SQL
- Frameworks:** Spring MVC, Spring Boot, Microservices, Spring Security
- Web Technologies:** HTML, CSS, JavaScript, Bootstrap, jQuery, JSON, XML
- Tools:** Docker, Kubernetes (K8s), Terraform, Jenkins, Istio, ArgoCD, Ansible, Datadog, Git, GitHub, Jira, ServiceNow, Okta, Maven, Apache Airflow
- Cloud Platforms:** Azure, GCP, AWS (EKS, ECS, ELB, ECR, S3, EC2, CloudFront, API Gateway, RDS, Lambda, Route53, VPC, CloudWatch, SNS, SQS, IAM)

## Projects

### WEBCHATGPT - AI-POWERED CHATBOT

- Architected AI chatbot application using React.js, Node.js, and Express.js, linking OpenAI's API for immediate assistance, earning recognition as the most innovative project by team leadership.
- Bolstered data protection measures by utilizing JWT-based authentication, adhering to OWASP security best practices and achieving compliance with industry standards within the first quarter of implementation.
- Optimized API request handling with caching and rate limiting, improving performance and minimizing OpenAI API costs.
- Automated the deployment process to both AWS and Heroku using Docker, improving application scalability and guaranteeing consistent performance under varying load conditions.

### CHEF-MATE: ANDROID APPLICATION - KOTLIN

- Led the development of Chef-Mate, an Android app that connects users with personal chefs for customized culinary experiences, achieving a 95% user satisfaction rate.
- Integrated advanced features like real-time order management and chef discovery, increasing user engagement by 30%.