

EDUCATION

<a href="#">Northeastern University</a> - Boston, MA	Sept 2022 - Dec 2024
Master of Science in Computer Software Engineering	GPA: 3.8
Relevant Courses: Data Structures and Algorithms in Python and Java, Cloud Computing, Big Data, Parallel Computing.	
<a href="#">Visvesvaraya Technological University</a> - Bangalore, India	Aug 2016 - June 2020
Bachelor of Engineering in Computer Science	GPA: 3.0
Relevant Courses: Java and Python App Programming, Database Management, Object-Oriented Concepts, Data Structures	

WORK EXPERIENCE (~ 2.5 years)

Graduate Teaching Assistant – <a href="#">Northeastern University</a> (Python, Java, Data Structures, OOP)	Jan 2023 - Dec 2024
• Designed and graded assessments for 40+ students in Data Structures and Algorithms including Software Engineering best practices.	
Software Engineer Intern– <a href="#">PipeIQ.ai</a> , Palo Alto, CA (Python, REST, AWS, SQL, React, TS, Node.js)	Jan 2024 - Aug 2024
• Member of a startup’s founding engineering team, taking ownership of multiple microservices using Python and Node.js, leveraging RESTful APIs and AWS services like Lambda, DynamoDB, and S3, accelerating MVP launch timeline by 30%.	
• Developed a dynamic and interactive user interface with React, Next.js, and TypeScript, enabling cross-stack features like authentication, content delivery, and payment processing, resulting in a 40% boost in user engagement.	
• Engineered database schemas, built web-scraping tool for enhanced data collection and created POCs for new product features.	
• Built CI/CD pipeline via GitHub Actions, achieving 85% test coverage with unit and integration testing, improving deployment efficiency.	
• Spearheaded migration of monolithic backend to a scalable microservices architecture using Docker, Terraform, and Ansible.	
Systems Engineer – <a href="#">Infosys</a> (client - <a href="#">Intel</a> ), Bangalore, India (Python, C++, SQL, CICD, Testing)	Dec 2020 - June 2022
• Developed Intel driver deployment solutions in C++ on Linux, leveraging automation tools and configuration management techniques.	
• Built automated testing frameworks in Python for SSD firmware on Linux, enhancing system reliability and performance by 15%.	
• Performed root cause analysis of driver performance metrics and logs using SQL, identifying and mitigating production issues.	
• Re-engineered driver deployment process with Python and Shell scripting, reducing driver update time by 30% for 1 million+ users.	
• Optimized CI/CD pipelines with Jenkins and Git, improving code quality and reliability in driver deployment workflows.	
Full-Stack Developer Intern – <a href="#">Infosys</a> , Mysore, India (JavaScript, MERN, NoSQL, Agile)	Feb 2020 - Mar 2020
• Collaborated on backend development using Node.js, Express.js, and MongoDB for a dynamic employee skills analysis platform.	
• Developed interactive React components and integrated JavaScript to enable real-time data visualization on the platform.	
Software Developer Intern – <a href="#">Bosch</a> , Bangalore, India (Python, Node.js, REST, SQL, AWS)	July 2018 - Aug 2018
• Contributed to Python and Node.js backend services for shipment tracking app, integrating RESTful APIs and supporting 30+ endpoints.	
• Optimized SQL / NoSQL queries, improving shipment data processing time by 30% and deployed a dockerized app on AWS.	

ACADEMIC PROJECTS

<a href="#">Personalized AI Job Tracker – Full-Stack App</a> (Python, FastAPI, JavaScript, Postgres, AWS, CI/CD, Git, Docker, LLM)	
• Built AI-powered Chrome extension with JavaScript, automating job tracking and improving productivity through advanced data processing.	
• Developed and deployed REST APIs with FastAPI, leveraging NLP and LLMs for job data analytics, enhancing SQL query responses.	
• Orchestrated end-to-end deployment with Docker, CI/CD pipelines via GitHub Actions, and hosted on AWS, ensuring high availability.	
<a href="#">Cloud Native Web App with Scalable Architecture</a> (AWS, Python, Flask, GitHub Actions, Terraform, Packer)	
• Developed and deployed Python-based REST API on AWS, integrating load balancing, auto-scaling and logging for enhanced scalability.	
• Automated CI/CD with GitHub Actions, used Terraform for infrastructure as code, and integrated pytest for reliable deployments.	
<a href="#">Task Prioritization App with Cloud Deployment</a> (React.js, HTML, CSS, Firebase, AWS)	
• Developed a React.js and Tailwind CSS-based productivity app deployed on AWS EC2, enhancing task delays by 30%.	
• Built a task scheduler with Interval Scheduling and Priority Queues, integrated with Firebase, saving 20% time for 50+ users.	
<a href="#">AI-based Stack Overflow Full-Stack App</a> (Python, LLM, Airflow, Docker, FastAPI, CICD, GCP)	
• Led a team of 3 to develop Dockerized Python app, integrating GenAI features (RAG, text generation, summarization) into Stack Overflow.	
• Built data pipeline with Airflow, deployed app on GCP, using FastAPI for backend and Streamlit for UI, ensuring efficient workflows.	

TECHNICAL SKILLS

• Programming	- Python, Java, JavaScript, TypeScript, C++
• APIs   Architectures	- RESTful APIs, GraphQL, JWT, Microservices, Serverless architecture, MVC, System Design
• Backend Frameworks	- Flask, FastAPI, Django, Node.js, Express.js, Spring Boot
• Frontend Technologies	- React, Redux, Next.js, Angular.js, HTML, CSS, Bootstrap, SASS/SCSS
• Databases	- SQL (PostgreSQL, MySQL, SQL Server), NoSQL (MongoDB, Redis), Elasticsearch
• Cloud Computing	- AWS (EC2, S3, RDS, IAM, SQS, Lambda, ECS), GCP (CloudSQL, GCS, BigQuery, Pub/Sub)
• Devops   CI/CD	- Git, GitHub, GitHub Actions, Jenkins, Docker, Terraform, packer, Kubernetes
• Parallel Computing	- PyTorch, Spark, CUDA, OpenMP, Multi-threading, Multi-processing, Distributed Systems
• Automation   Testing	- Selenium, JUnit, pytest, Unit Testing