

AMEYA VINAY APTE

Boston, MA | apte.ame@northeastern.edu | (857) 200-4826 | <https://github.com/apte-ame> | <https://www.linkedin.com/in/ameya-apte>

EDUCATION

Northeastern University

Boston, MA

Master of Science in Information Systems, GPA: 3.87/4.00

Expected June 2024

Courses: Networking & Cloud Computing, Database Design, Application Development, Data Science, UI/UX & Testing

Veermata Jijabai Technological Institute (VJTI)

Mumbai, India

Bachelor of Technology in Electronics and Telecommunication Engineering, GPA: 8.55/10.00

Aug 2017 – May 2021

Courses: Object Oriented Design, Operating Systems, Blockchain, Computer Science, Software Engineering, Statistics

SKILLS

- **Programming Languages:** Java, Python, JavaScript, SQL, HTML, CSS
- **Databases:** MySQL, MS SQL Server, PostgreSQL, DynamoDB, MongoDB, NoSQL, RDS, Oracle, Snowflake
- **Cloud:** AWS (IAM, S3, EC2, CloudWatch, Cognito, ECS, EKS, SES, SQS), Azure, GCP
- **DevOps:** Terraform, Packer, Docker, Kubernetes, Linux, Shell Scripting, Prometheus, Jenkins, Ansible, RabbitMQ
- **Machine Learning:** NumPy, Pandas, Scikit-Learn, TensorFlow, Matplotlib, spaCy, SciPy, gTTS, OpenCV, NLTK, Seaborn
- **Technologies and Frameworks:** Spring Boot, ReactJS, Django, FastAPI, Tableau, Selenium, Jira, Visio, Hibernate, Junit, Maven
- **Others:** Problem Solving, Data Structure & Algorithms, Design Patterns, Product Design, Parallel Systems, Monitoring, Teamwork, Communication, User Experience, Routing, Debugging, Front-end, SaaS, Scrum, Flask

PROFESSIONAL EXPERIENCE

PipeIQ (Startup)

Palo Alto, CA

Cloud Engineer (Intern)

Sept 2023 – Dec 2023

- Led cross functional team to migrate 15+ AWS Lambda's to scalable Microservices for supporting multi-tenancy and RBAC
- Leveraged Next.js to develop full stack product features and improved the customer engagement & sales by 65%
- Used AWS services and GenAI to develop 10+ RESTful API's & worked on integration of ML engine into full stack application

PricewaterhouseCoopers (PwC) India

Mumbai, India

Technology Consultant – Financial Services

Jul 2021 – Jul 2022

Project Management & Backend development (Insurance Industry):

- Led the development of 30+ REST API's using Spring Boot and DynamoDB as a part of on-premise to cloud API migration
- Performed strategy planning and timeline management leading to an 18% increase in overall revenue
- Delivered 20+ microservices using full software development life cycle (SDLC) and agile methodology
- Improved the modularity and scalability of endpoints by 80% utilizing distributed module development
- Devised business rules using Spring EL for 15+ insurance products currently in use by over 2 million customers

Data Engineering (Private Bank):

- Performed ETL and built data pipelines to integrate core banking and CRM systems thereby improving system efficiency by 85%
- Managed technical documentation such as system documentation, training materials, processes and procedures

Wellness Forever Medicare Pvt. Ltd.

Mumbai, India

Business Analyst (Intern) – Information Technology, Data and Analytical Development

May 2020 – Jul 2020

- Conducted end-to-end testing for hyperlocal delivery model to improve 'Perfect Order Percentage' by 80%
- Executed data-driven client acquisition initiatives, achieving a 20% reduction in reconciliation cycle time

PROJECTS

[Cloud-Native Inventory Management](#) | Java, Spring Boot, MySQL, AWS, Terraform, Packer, CI/CD, DNS, IaC, ORM (Hibernate)

- Orchestrated GitHub Actions CI/ CD pipeline with Packer-based custom AMI creation and application deployment
- Implemented Infrastructure as Code with Terraform to provision EC2, VPC, RDS, S3, load balancer (ELB) & Launch Templates

[Text Analysis](#) | Python, Scikit-Learn, TensorFlow, NumPy, Pandas, Spacy, SciPy, NLP

- Implemented text rank algorithm to summarize book & performed semantic modelling using K-medoids clustering with 90% accuracy

[Northeastern University Job Board](#) | MongoDB, Express, React, Node, Redux, Bootstrap, MVC, DigitalOcean, scp, shell scripting

- Designed a mobile friendly (responsive) UI using React.js with payment gateway integration and deployed it to Digital Ocean Droplet

[Generative AI Based Quiz Generator \(AI Hackathon\)](#) | React, MySQL, Flask, OpenAI API

- Developed dynamic quiz generation app using OpenAI API with future prospect of generating FAQ's for product catalog

[Visual Aid](#) | Python, Elasticsearch, OpenCV, gTTS, HTML, CSS, Javascript, YOLO v3

- Summarized surroundings using CNN with 92% accuracy and converted it to audio using gTTS to assist visually impaired person

[Python Generated Comic Book](#) | Python, Pillow, OpenCV, NumPy, Pandas, fpdf

- Created a comic book pdf in English and Marathi version captioning images with dialogues from csv file