

# AMEYA VINAY APTE

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## EDUCATION

### Northeastern University

Master of Science in Information Systems, GPA: 3.84/4.00

Courses: Cloud Computing, Database Design and Management, Application Development, Data Science

Boston, MA

Expected May 2024

### Veermata Jijabai Technological Institute (VJTI)

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

Courses: Java Programming, Pattern Recognition, Blockchain Technology, Image Processing, Statistics

Mumbai, India

Aug 2017 – May 2021

## SKILLS

- **Programming Languages:** Java, Python, JavaScript, SQL, HTML, CSS
- **Databases:** MySQL, MS SQL Server, PostgreSQL, DynamoDB, MongoDB
- **Cloud:** AWS (EC2, VPC, RDS, S3, DynamoDB, CloudWatch, Lambda), Terraform, Packer, CI/CD, Linux, Shell Scripting
- **Technologies and Frameworks:** Spring Boot, GitHub, Tableau, Power BI, Postman, MS Excel, MS Visio, MATLAB
- **Others:** Object Oriented Programming, RESTful APIs, Machine Learning, React.js, Express.js, Node.js, Docker, Kubernetes

## PROFESSIONAL EXPERIENCE

### PricewaterhouseCoopers (PwC) India

Associate Technology Consultant – Financial Services

Mumbai, India

Jul 2021 – Jul 2022

- Managed individual project priorities, deadlines and successfully delivered 30+ microservices using Spring Boot and DynamoDB as a part of on-premise to cloud API migration
- Executed full software development life cycle for delivering 30+ microservices
- Improved the modularity and scalability of endpoints by 80% utilizing multi-module maven project approach
- Worked in distributed team environment to build sync and async APIs with JavaScript in sandbox server of process orchestrator tool
- Performed ETL and built data pipeline to integrate core banking and CRM systems thereby improving system efficiency by 85%
- Devised 100+ business rules for Unit Linked Insurance Plans by making use of Spring Expression Language
- Managed technical documentation such as system documentation, training materials, processes and procedures
- Created Visio diagrams for infrastructure platforms as part of interface documents
- Assisted 5 member panel in talent acquisition and mentored junior engineers in support of project goals

### Wellness Forever Medicare Pvt. Ltd.

Information Architect Intern – Information Technology, Data and Analytics

Mumbai, India

May 2020 – Jul 2020

- Conducted end-to-end testing for hyperlocal delivery model
- Pitched efficient solutions to automate reconciliation process
- Facilitated client acquisition to execute Artificial Intelligence-based solutions for e-commerce platform

## PROJECTS

### Cloud-Native Inventory Management (Java, Spring Boot, MySQL, AWS, Terraform, Packer, CI/CD, DNS)

Jan 2023 – Present

- Developed a web app using Spring Boot and MySQL with Object-relational mapping (ORM) framework
- Leveraged CI/CD (GitHub Actions) to build custom Amazon Machine Image (AMI) with Packer
- Implemented Infrastructure as Code with Terraform to provision VPC, Subnets, Autoscaling group, Load balancer, RDS, S3, IAM
- Deployed the app on AWS EC2 and incorporated autoscaling and load balancing

### E-Commerce Management System (Java Swing, MySQL, MySQL Workbench, Tableau)

Jan 2023 – Present

- Designed a clean GUI based multi-enterprise application with Java Swing
- Performed normalization, implemented check constraints and added triggers, stored procedures, views and functions on 11 tables
- Integrated real-time email notification, web-cam based image capture, open street maps API, business intelligence (BI) dashboard

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

Sept 2022 – Dec 2022

- Implemented text rank algorithm NetworkX to generate textual summary of biography and visualize similarity graph
- Performed semantic modelling on the text using K-medoids clustering with 90% accuracy

### Audio aid for visually impaired person (Python, Elasticsearch, OpenCV, gTTS, HTML, CSS, Javascript)

Oct 2019 – Nov 2019

- Detected people in an area using YOLO v3 with 93% accuracy and analyzed it using a dashboard
- Summarized the surroundings using CNN with 92% accuracy and converted it to audio using gTTS for assisting visually impaired person