AMEYA VINAY APTE

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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

CERTIFICATION

AWS Certified Solutions Architect Associate | Amazon Web Services — Mar 2024

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

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