

Shubham Jitendrabhai Mendapara

+1 857-746-9896 | shubhammendapara2441@gmail.com | Boston, USA

EDUCATION

Northeastern University | CGPA: 3.8/4.0

Boston, MA

Master of Science, Computer Science

Jan. 2023 – May 2025

Courses: Distributed Systems, Database Management Systems, Algorithms & Data Structures

Charusat University | CGPA: 4.0/4.0

Gujarat, India

Bachelor of Technology, Computer Science and Engineering

Jun. 2018 – May 2022

EXPERIENCE

Software Engineer | Hubspot | Boston, MA

Oct. 2025 - Feb. 2026

- Developed web application using React & TypeScript, improving cross-device compatibility and customer engagement across tablets and web browsers
- Engineered distributed Java Spring Boot services with async REST workflows, reducing request latency by 30% under high traffic
- Integrated Kafka pipelines in Spring Boot to secure event delivery and reduce async processing latency
- Tuned SQL queries with indexing and caching, improving data analytics and leaderboard retrieval by 60%

Graduate Teaching Assistant | Northeastern University | Boston, MA

Sep. 2023 – Apr. 2025

- Crafted 20+ hands-on grading rubrics and assignments, ensuring consistency in Python scripting
- Reviewed student code in Python (Pandas, NumPy, SQL), enforcing modular design and 90% test coverage.

Software Developer | Augmentic LLC | Remote

Dec. 2021 – Nov. 2022

- Led Agile sprints in Jira and peer code reviews, giving feedback that improved quality and on-time delivery
- Implemented 15+ REST APIs using Spring Boot, focusing on scalability, error handling, and API versioning
- Deployed Spring Boot microservices on AWS EC2 with Docker, adding health checks and restart logic for financial system resilience
- Modeled complex PostgreSQL queries and transactional workflow, optimize real-time reporting performance

PROJECTS

AI Gmail Assistant | *JavaScript, Python, Data Version Control, GCP, XML, bias-checking, Prompt Engineering*

- Built Airflow DAG processing 50K+ email threads, triggering Vertex AI for dynamic response generation
- Logged structured user feedback to NoSQL database and triggered MLflow experiments to refine prompts based on engagement patterns and response quality
- Configured CI/CD pipeline using GitHub Actions to auto-build Docker images, validate prompt outputs with ROUGE checks, and deploy updates to Cloud Run
- Wrote Pytest-based unit with 90%+ coverage, catching edge-case errors early and improve pipeline stability

Digit Recognizer | *Python, CNN, VGG16, ResNet, Django,*

- Developed face recognition with OpenCV, Python, and CNN models for multi-attribute customer analysis
- Improved model accuracy by 7% through image preprocessing, augmentation, and hyperparameter tuning
- Implemented data ingestion for large-scale retail datasets, enabling faster ML training and real-time updates

TECHNICAL SKILLS

Languages: Java, C++, C#, Python, JavaScript, TypeScript, HTML/CSS, TCP/IP, DNS, Load Balancing, CDN

Streaming/Observability: Apache Kafka, Micrometer, Prometheus, Grafana, ELK, Datadog; SLO/SLA design

Databases: NoSQL (MongoDB, DynamoDB), SQL (MySQL, PostgreSQL), Redis

Cloud/DevOps: AWS (S3, EC2, Lambda, Elastic Beanstalk, ECS), GCP (GCS, Cloud Run), Docker, Kubernetes

Backend: Spring Boot, Spring MVC, Hibernate, REST, GraphQL, OpenAPI/Swagger, GitHub Actions, CI/CD, Linux

AI/ML: OpenAI, CNNs, VGG16, ResNet, LangChain, Pinecone, RAG Pipelines, Prompt Engineering

ACHIEVEMENTS

- Published Handwritten Digit Recognition research in **IJSRCSEIT**, and secured 1st at ClubGamma coding
- Organized 10+ tech workshops & events under **IEEE** & **GeeksforGeeks**, growing developer community