Shreyas M Kaushik

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PROFESSIONAL SUMMARY

Experienced Full Stack Developer adept at integrating and optimizing A.I and M.L models through API implementation with a focus on U.I enhancement. Proven collaborator, passionate about delivering innovative solutions at the intersection of development and A.I integration. Seeking opportunities to contribute impactful solutions to forward-thinking teams.

EXPERIENCE

IHX | Software Engineer
Aug 2022 – Present
- Contributed to the development of a Medical Information Data Assistant, leveraging Microsoft's AutoGen Agents and Retrieval Augmented Generation (RAG) technology with an interactive chat interface.
- Created Quality Control (QC) U.I Screens for enhancing data accuracy and presentation of ML model outputs and help retrain the models.
- Ensured comprehensive observability across projects by implementing well-structured logging and integrating with Promtail, Loki and Grafana.

NULENTA PVT. LTD | Software Engineering Intern
Aug 2021 – Apr 2022 | Remote
- Developed their core talent sourcing product Pro10X, which is a Chrome Extension used to source high-quality talents.

PROJECTS

MEDICAL INFORMATION DATA ASSISTANT | Python
FastAPI, MongoDB, ReactJS, NodeJS, SocketIO
- A real-time chat system utilizing OCR outputs for dynamic information extraction from claim documents.
- Implemented Mistral-7b, a sophisticated Large Language Model, to enhance accuracy and generate contextually relevant outputs.

DOCUMENT CLASSIFIER | NodeJS, PostgresSQL, OAuth 2.0
- Used by India's Largest Health Benefits Administrator for verifying mandatory documents submitted at claim submission.
- It provides clients seamless and secured integration to privately served Document Classification (DC) models.
- API increased the "complete claim submissions on the first instance" from 23% to 77% within 2 weeks.

QC U.I SCREENS | MongoDB, ReactJS, NodeJS, MUI, Redux
- Quality Control U.I screens for correction of M.L Model outputs.
- Built multiple screens according to the structure of claim documents like Bills, Discharge Summary and Lab Reports.
- The DC model accuracy was increased from 64% to 96%.

WATCH TOWER | AWS SNS, MongoDB, ReactJS, NodeJS, MUI
- A solution using SNS for real-time tracking of digitization stages.
- Provided IHX users with detailed views for swift operations support and immediate resolution of escalations.
- Integrated Power BI dashboards allowing restricted access to users to view and download relevant data.

EDUCATION

SAPTHAGIRI COLLEGE OF ENGINEERING
Bachelor of Engineering in Information Science
2018 - 2022 | Bangalore, IN
CGPA: 8.5

HKS PRE-UNIVERSITY
PCMC
2016 - 2018 | Hassan, IN
Percentage: 89%

VIJAYA HIGH SCHOOL
High School
2015 - 2016 | Hassan, IN
Percentage: 94%

SKILLS

PROGRAMMING
Javascript • Python • Java (Android)

WEB TECHNOLOGIES
Node.js • HTML/CSS • React.js • EJS

INFRASTRUCTURE AS CODE
Docker Compose • Kubernetes YAML

CLOUD SERVICES
AWS EC2 • Elastic Beanstalk • S3
Heroku •GCP • Azure App Service

CONTAINERIZATION
Docker • Kubernetes • Amazon EKS
AWS Fargate • Amazon ECS

OBSERVABILITY
Grafana • Promtail • Loki

AUTHENTICATION
Keycloak • API Gateway • Cognito

DATABASES
MongoDB • PostgreSQL • MySQL

ROUTING & WEB SERVERS
Nginx • ALB • NLB

CI/CD & VCS
GitHub Actions• Github • Gitlab

CERTIFICATIONS

- Architecting with Compute Engine
- Build Your First Android App
- The Modern Javascript Bootcamp