

HEMA SAI GANGADHAR REDDY, KALAKOTA



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EDUCATION

- 08.25 - Present **EBS Universität für Wirtschaft und Recht, Oestrich-Winkel, Germany**
Master's in Business Analytics
GPA 2.2 (German Scale), Thesis Expected July 2026
Relevant Courses: Statistics, Data Visualization, Data Structures & Database management, Econometrics, Fintech Innovation, Machine Learning, Natural Language Processing and Asset Management.
- 01.25 - 07.25 **SPJIMR, Mumbai, India**
Global Management Programme
GPA 3.22 out of 4, Top 5% of the cohort
Relevant Courses: Corporate Finance, Financial Statements Analysis, Organizational Behavior, Strategic Management, Organizational Change Management, Marketing, Digital Transformation for Business, Supply Chain and Management, Wise Innovation, Design Thinking, Digital Product Management, Project Management and Management Communications
- 09.15 - 01.21 **MVGR College of Engineering, Vizianagaram, India**
Bachelors - Information Technology
GPA 6.16 out of 10
Relevant Courses: Object Oriented Programming, Web Programming, Database Management Systems, Software Architecture and Software Testing, Algorithm Analysis and Design, Computer Organization, Data Structures, and Operating Systems

PROFESSIONAL EXPERIENCE

- 07.24 - 12.24 **Infosys, Hyderabad, India**
Senior Systems Engineer – "Financial Crime Department", AWS Cloud Engineer
- Supported full Agile/Scrum SDLC – requirements gathering, system design, implementation and testing – for a UK bank's SaaS solutions processing 2–3 million financial transactions per day.
 - Engineered and deployed an event-driven ETL pipeline on AWS (Lambda, SQS, Glue, SNS) to ingest, transform, and validate high-volume financial data streams, replacing a manual batch process.
 - Authored Python-based AWS Lambda functions handling transformation and validation triggered by SQS message queues.
 - Integrated AWS Glue for structured data extraction and SNS for a robust pipeline alerting system, ensuring full observability across the data flow.
- 03.22 - 06.24 **Infosys, Hyderabad, India**
Systems Engineer – "Non-plastic fraud Department", Full Stack Developer
- Developed and maintained 20+ middleware APIs and Java microservices for a UK bank's Non-Plastic Fraud Detection platform, applying Security by Design principles with SonarQube and Veracode.
 - Built an internal real-time monitoring tool tracking API response times across 20+ endpoints, reducing mean time to detect production incidents from hours to minutes.
 - Resolved 30+ critical production incidents, including database optimisation that cut average query response time by approximately 40%.
 - Conducted IT Impact Assessments for architectural changes to the bank's SaaS platform, evaluating downstream effects on microservices, data pipelines, and non-functional requirements.
 - Automated CI/CD deployments using Jenkins and Angular, streamlining release cycles and eliminating manual deployment steps.

QUALIFICATIONS

- Languages Telugu (Native), English (Fluent - C2), Hindi (Fluent - C2), German (Upper Intermediate - B2)
- IT Product Lifecycle Management (Proficient), Python (Proficient), JIRA (Proficient), Cloud Technology (Proficient), MS Office (Proficient), Figma (Proficient)
- Certificates & Trainings Professional Cloud Architect (Google Cloud Platform), Professional Data Engineer (Google Cloud Platform), Professional Machine Learning Engineer (Google Cloud Platform), Associate Solutions Architect (Amazon Web Services)

VOLUNTARY ENGAGEMENT

- 05.22 - 06.24 **Make A Difference, India**
Education Support Volunteer
- Mentored underprivileged students in academic and personal development programs.