

## ABHISHEK BAGEPALLI

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### EDUCATION

<b>Purdue University, Daniels School of Business</b> <i>Master of Science in Business Analytics and Information Management, GPA 3.93/4.0</i>	<b>West Lafayette, IN</b> <b>July 2025</b>
<b>Manipal Institute of Technology</b> <i>Bachelor of Technology in Computer and Communication Engineering</i>	<b>Manipal, India</b> <b>August 2023</b>

### PROFESSIONAL EXPERIENCE

<b>Prediction Guard</b> <i>AI Engineer</i>	<b>Lafayette, IN</b> <b>Jan 2025 – May 2025</b>
<ul style="list-style-type: none"><li>Led a 6-member team to develop a zero-cost risk benchmarking framework to assess LLM vulnerabilities.</li><li>Our insights showed improved consumer confidence, resulting in a 15% increase in sales.</li></ul>	
<b>Deloitte USI</b> <i>Data Analyst</i>	<b>Hyderabad, India</b> <b>Aug 2023 – June 2024</b>
<ul style="list-style-type: none"><li>Developed a Forecasting Application using GCP's Vertex AI and a Generative AI interface to predict Deloitte's cloud operating costs, enhancing budgeting accuracy.</li><li>Data Engineer – Data Warehousing: Contributed to a project consolidating multi-cloud data (AWS, Azure, GCP, and Deloitte-owned Data Centers) into a unified platform, resulting in over \$25K in cloud cost savings.</li><li>Acted as the primary web developer for a company-wide portal, centralizing services and enabling project tracking for clients and teams. Received a Spot Award for contributions.</li></ul>	
<b>Data Analyst Intern</b>	<b>Feb 2023 – July 2023</b>
<ul style="list-style-type: none"><li>Automated annual SOC2 audit process using a real-time dashboard, reducing reporting time by 14 hours per analyst per week.</li><li>Developed a Power BI dashboard to help the Cloud Security team monitor and manage Rogue Accounts created with Deloitte IDs, reducing turnaround time from 12 hours to 1 hour.</li></ul>	

### PROJECTS

- H(ADR):** A real-time AI-powered HR email assistant using Python, Flask, LangChain (RAG), and Firebase, integrating Gmail API with LLM-based classification, retrieval-augmented response generation, and automation via Pub/Sub and Google Cloud Run.
- Slide-Gen:** AI Agent that turns documents into professional PowerPoint decks using OCR, flowchart generation and generative diagrams.
- Resume-GPT:** An RAG based AI chatbot to answer resume-based questions. Integrated Python, LangChain, OpenAI API, and Firebase for Q&A, chat history, and real-time storage. Deployed on Streamlit Cloud.

### CERTIFICATIONS

- Microsoft Certified Power BI Data Analyst (PL-300), Microsoft Azure Fundamentals (AZ-900), AWS Certified Cloud Practitioner, Azure AI Fundamentals (AI-900), Google Advanced Data Analytics Professional.

### SKILLS

- Languages: Python (Pandas, NumPy, SciKit-Learn, Keras, LangChain, Flask), SQL, JS
- Tools and Platforms: Git, AWS (RedShift, SageMaker), Azure (Data Factory), GCP (BigQuery, Vertex AI), MongoDB, Tableau, PowerBI, LangSmith

### LEADERSHIP ACTIVITIES, ACHIEVEMENTS, HONORS

- Beta Gamma Sigma Honor** – Top 20% of Graduate Business Students in the World.
- Publication:** Co-authored study improving AdaGrad-based optimization performance by 13% using cosine annealing across diverse data distributions. Presented at ICACCP 2023.
- Publication:** Co-authored study on using Random Forest Classifiers to predict SLA violations in cloud environments; Best Paper Award, ICHTR 2023.
- Worked as General Secretary and Head of English Department at Project Mudra, an NGO focused on development of underprivileged children.