

# ANSHUL BADYAL

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## Education

### PANJAB UNIVERSITY SSG REGIONAL CENTRE

Bachelor of Engineering in Computer Science (GPA: 8.12 / 10.00)

June 2017 - June 2021

Hoshiarpur, Punjab

## Experience

### Gemini Solutions (FinTech Client)

Software Engineer

June 2021 – Present

Panchkula, Haryana

- Spearheaded the development and optimization of scalable backend services using Flask and FastAPI, contributing to their development and enhancing functionalities.
- Collaborated with cross-functional teams to implement AI-driven solutions, automating tasks and increasing operational efficiency using OpenAI APIs.
- Applied best practices in software development, including writing clean, maintainable code and ensuring high-quality deliverables through rigorous testing.

### Net Solutions

Software Engineer Intern

Jan 2021 – June 2021

Chandigarh

- Worked on creation of a Django web app, focusing on feature integration and continuous improvement to elevate user experience and application efficiency.
- Implemented multilingual support in a Django web application, expanding its user base and adding features to improve overall usability

## Projects

### Risk Notification Tool | Python, HTML, CSS, Sql, Flask, Jinja, Bootstrap, Javascript, JQuery

- Developed a robust system to generate and send dashboards at hourly intervals, ensuring stakeholders receive timely updates of all risk calculation status.
- Integrated the estimated time of arrivals for critical job processes, enhancing overall project planning and coordination.
- Enabled tracking of reruns of risk jobs as requested by stakeholders, providing valuable insights into job history and ensuring compliance with specific requests.

### AI ChatBot (PAL) | Slack API, FASTAPI, OpenAI

- Developed an AI-driven chatbot that offers multiple functionalities, such as utilizing a knowledge base to answer user queries and remembering conversations to provide contextually relevant responses.
- It also supports more than 50 commands based on user requirements.
- Integrated Pinecone to improve data retrieval and AI performance.

### SLA Alerting System | Python, FASTAPI, AMPS

- Ensured proactive incident management by automating real-time alerts for SLA breaches, reducing response time and service disruptions.
- Designed and implemented a robust alerting system that automatically triggers notifications when SLA violations occur.

### Real Time Gantt DashBoard | Python, FASTAPI, REACT, Azure

- Designed and implemented a Cycle Planning visualization system with interactive Gantt charts
- Developed backend data processing services to transform project cycle data into timeline-ready formats
- Enabled stakeholders to visualize dependencies, critical paths, and resource allocation across project.

### EKS Migration | Kubernetes, AWS, Python

- Led the effort to migrate the applications.
- Migrated applications from on-premises servers to EKS.

### No Code Bot | Python, FASTAPI, REACT, Slack, OpenAI, MCP, AWS, Redis, Postgress

- Designed and developed a no-code platform allowing users to configure and deploy intelligent bots via a simple UI.
- Supported function mapping to user-defined queries, enabling dynamic and contextual automation behavior.

- Integrated with MCP (Model Context Protocol) servers for systems like ServiceNow, Slack, PagerDuty, Autosys, and more, significantly enhancing automation capabilities.
- Supported function mapping to user-defined queries, enabling dynamic and contextual automation behavior.
- Supports users query resolution on the basis of previous conversation and Knowledge base. If the query is not resolved it also supports escalation features to the desired team

## Skills

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**Languages:** Python, SQL, JavaScript

**Tech Stack:** Flask, FASTAPI, Scripting, REACT, OpenAI, Azure, AWS, Redis APIs, AI Chatbots, Oracle

**AI ML Technologies:** Generative AI (LLMs), OpenAI, RAG, GPT, MCPs

**Monitoring and Debugging Tools:** Autosys, Splunk, DataDog, Pagerduty, ServiceNow

**Version Control:** Git, GitHub

## Achievements

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- Employee Of the Quarter
- Secured U.S. B1 Visa for business and professional engagements in US