

CHINMAYA PRADHAN

AI/ML ENGINEER | CLOUD SOLUTION ARCHITECT

Phone: +91 8249542255

Email: chinmaya.pradhan117@gmail.com

Linkedin: <https://www.linkedin.com/in/chinmaya-pradhan-221203in/>

GitHub: <https://github.com/chinmaya2212>

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C/C++, GoLang
 - **Web Development:** Java, Python, FastAPI, JavaScript, HTML/CSS, Node.js
 - **Databases:** MySQL, OracleSQL, PostgreSQL, MongoDB, Firebase
 - **Cloud & DevOps:** AWS, GCP, Azure, Docker, Kubernetes, Ansible, Jenkins, Terraform, CI/CD pipelines
 - **Version Control:** Git, GitHub, GitLab
 - **Software Development:** REST APIs, Microservices, Bash Scripting, Linux
 - **Data Science & Machine Learning:** Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn, Jupyter Notebook, SQL
-

PROJECTS

1. AI-Powered Cloud Service Recommendation Platform

Developed an AI-driven recommendation engine for optimizing cloud service selection based on cost, latency, and availability across AWS, Azure, and GCP.

Technologies Used: Python, AWS, TensorFlow, Flask, MongoDB

Achievements:

- Achieved 92% accuracy in cloud service suggestions using supervised learning models.
- Reduced client decision-making time by 40% through automated real-time recommendations.
- Integrated dynamic data fetching pipelines to refresh cloud service metrics every 24 hours.

2. Customer Churn Prediction and Retention Analysis

Built a Machine Learning model to predict customer churn and suggest actionable retention strategies.

Technologies Used: Python, Scikit-learn, Pandas, PowerBI

Achievements:

- Achieved 85% model accuracy using Random Forest Classifier after hyperparameter tuning.
- Identified key churn drivers leading to a potential 15% reduction in churn rate.
- Delivered an interactive dashboard on PowerBI for real-time business insights.

3. Secure Cloud Infrastructure Automation

Designed and deployed an automated security compliance auditing system for cloud infrastructures.

Technologies Used: AWS Lambda, Terraform, Python, CloudWatch, IAM

Key Achievements:

- Detected and resolved 20+ security vulnerabilities during the testing phase.
 - Automated security monitoring, reducing manual audits by 80%.
-

WORK EXPERIENCE

Aptus Data Labs – Software Engineer Intern (2025)

- **AptPlan (Business Planning & Forecasting Tool):**
 - Developed a robust data model that improved prediction accuracy by 18% for business growth forecasting.
 - Added additional parameters and features for enhanced data ingestion and analysis.
 - Collaborated with the backend team to successfully redeploy updated models with zero downtime.
 - **AptChat (AI-Enhanced Customer Support Chatbot):**
 - Optimized database queries, reducing system response time by 30% and improving overall application performance.
 - Collaborated with the business logic team to integrate Generative AI, Large Language Models (LLMs), and Agentic AI concepts for advanced conversational capabilities.
 - Designed, developed, and deployed backend services, resulting in more chatbot engagement and operational efficiency.
-

EDUCATION

Silicon University, Bhubaneswar, Odisha, India

B.Tech in Computer Science and Engineering (2021-2025)

CGPA: 9.19