

# KRISHNA KAMAL BAISHNAB

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🌐 [Linkedin](#)

🐙 [Github](#)

📁 [Portfolio](#)

## EDUCATION

### Cardiff University

*Masters of Science in Advanced Computer Science - GPA - 3.4*

September 2022 – October 2023

Cardiff, United Kingdom

### Assam Don Bosco University

*Bachelor of Technology in Computer Science and Engineering - GPA - 3.3*

July 2016 – August 2021

Guwahati, Assam

## COURSEWORK / SKILLS

- Data Structures
- Algorithms Analysis
- Computer Networks
- Operating Systems
- Software Methodology
- Database Management
- Information Security
- Computer Architecture

## EXPERIENCE

### Rutick One Limited

*IT and Administrative Analyst*

September 2023 – Present

Edinburgh, United Kingdom

- Automated backend processes for data collection and reporting using **Python**, reducing manual workload and response time by 15%.
- Designed internal dashboards with **Power BI** to monitor KPIs, enabling faster decision-making and reducing reporting overhead.
- **Technologies: Python, Power BI, SQL, Process Automation, Trello**

### SenseIO.net

*Software Engineer*

November 2021 – August 2023

India, Remote (Contract)

- Developed RESTful APIs using **FastAPI**, **Flask** and **Django**, supporting scalable and secure backend systems.
- Integrated machine learning models into production-grade backends, delivering personalized user insights for clients.
- Collaborated with frontend developers to integrate APIs and real-time analytics features across platforms.
- Built, containerized, and deployed ML pipelines on **AWS EC2** using **Docker**, ensuring reliable cloud-based delivery.
- **Technologies: Python, Flask, Django, TensorFlow, scikit Learn, Docker, EC2, AWS, MySQL, REST API**

### Indian Institute of Technology Bhubaneswar

*Machine Learning Intern*

July 2020 – August 2020

Bhubaneswar, India

- Built modular chatbot backend using **KNN** and **K-Means**, improving accuracy by 30% and scalability by 40%.
- Implemented RESTful services for chatbot interaction using **Flask**, supporting real-time user communication
- Performed extensive data preprocessing and feature selection to improve ML model performance.
- **Technologies: Python, Scikit-learn, Pandas, NumPy, Flask, Matplotlib**

## PROJECTS

### RoomSync – Shared Accommodation Platform [🔗](#) | [FastAPI](#), [MongoDB](#), [JWT](#), [AWS](#)

- Built a platform to streamline shared accommodation and roommate matching in India using FastAPI, MongoDB, and JWT authentication. Over 150 users have explored verified listings, match preferences, and user reviews—making finding reliable roommates easier and more trustworthy than ever!

### HelloNotes – Note-Taking Web App [🔗](#) | [FastAPI](#), [MongoDB](#), [Bootstrap](#), [AWS](#)

- Built and deployed a full-stack note-taking platform using FastAPI, MongoDB, and Bootstrap, designed for students and professionals. Features include secure JWT-based authentication, RESTful APIs for full CRUD support, and cloud deployment on AWS EC2 with Nginx and HTTPS.

### SkillSnap – AI-Powered Resume Analysis Platform [🔗](#) | [Flask](#), [Docker](#), [Railway](#), [ML](#)

- Built a containerized web platform using Flask and ML utilities to analyze PDF resumes and provide intelligent job recommendations with skill gap analysis. Implemented RESTful APIs for real-time parsing, skill extraction, and job matching using text similarity. Deployed on Railway with a responsive drag-and-drop interface built with Bootstrap for instant feedback and interactive insights.

## TECHNICAL SKILLS

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**Programming Languages:** Python, Java, C/C++, JavaScript, HTML, CSS, SQL, Bash

**Web Frameworks & APIs:** FastAPI, Django, Flask, RESTful APIs

**Libraries & Tools:** PyTorch, TensorFlow, pdfplumber, numpy, scikit-learn, pandas, pySpark, Postman, Git, Docker, Kubernetes, CI/CD

**Databases:** PostgreSQL, MySQL, NoSQL, SQLite, MongoDB

**Cloud & DevOps:** AWS, GCP, Azure, Linux, Cloud Deployment

## ACHIEVEMENTS & TECHNICAL HIGHLIGHTS

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- **1st Rank** in Python Competitive Programming
- **Resource Person** at Programming Workshop
- Scored **92%** in Master's Final Semester
- Solved **100+ DSA problems** on LeetCode and HackerRank
- Active open-source contributor on GitHub (backend, design, algorithms)
- AWS Practitioner
- Data Science Professional Certificate - IBM