

SURAJ KUMAR

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Profile

I am a Computer Science Engineering student, an Enthusiastic AI/ML and full-stack development professional with a solid background in Python, web development, and backend programming. Proficient in crafting smart apps and high-scaling web solutions. Looking for a chance to utilize my technical expertise in a challenging position.

PROJECTS

AI-POWERED CHATBOT

Link: <https://mocoai.netlify.app/>

Designed and developed an intelligent chatbot utilizing Natural Language Processing (NLP) techniques.

Implemented using Python, TensorFlow, Flask, and React.js to provide a seamless user experience. Integrated with an API to fetch real-time data, enhancing chatbot responses.

Achieved 85% accuracy in understanding and processing user queries, improving customer service engagement.

E-COMMERCE WEBSITE WITH AI RECOMMENDATIONS

link: <https://shopsmartdeal.netlify.app/>

Engineered a full-stack e-commerce platform using React.js, Node.js, and MongoDB with a seamless user interface.

Incorporated a machine learning-based recommendation system that personalizes product suggestions based on user behavior.

Implemented secure user authentication and payment gateway integration.

Optimized website performance, reducing load times by 40% and improving overall efficiency.

HACKATHONS PROJECTS ON WORKING

. AI-Based Help Bot for Information Retrieval – Bharatiya Antariksh Hackathon 2025

Role: AI/ML Engineer | **Team Name:** Alphaonly007

- Developed a multilingual AI chatbot integrated with a **Neo4j Knowledge Graph Database** to provide intelligent responses based on ISRO's static/dynamic web content.
- Implemented NLP pipelines to extract and structure data, storing it in a **graph-based database** for efficient semantic search and retrieval.
- Used **SQLite and MongoDB** for logging user interactions, caching responses, and managing dynamic content.
- Enabled real-time ISRO alerts (weather, wind speed, hazard zones) through API-based data syncing.
- Created a dual-mode UI (Student & Citizen) using React + Flask, enhanced with 3D Spline animations.
- Collaborated with a 4-member team, integrating AI, backend, frontend, and data services efficiently

Education

BRAINWARE UNIVERSITY | 2024-2028 | BARASAT KOLKATA | BTECH-CSE(AI&ML)

I completed my first year. I achieved an SGPA of 6.67 in the first semester and 7.40 in the second semester.

Skills&Abilities

- **Frontend:** HTML, CSS, JavaScript, React, JS, Bootstrap, Tailwind
- **Backend:** Python, Django, Flask, FastAPI, MongoDB
- **Database:** MongoDB, MySQL, Neo4j
- **AMI/L:** Spacy, NLTK, Transformers, Scikit-learn
- **Others:** BeautifulSoup, Selenium, Git, VS Code, Deployment

Activities and Interests

PLAYING CRICKET, LISTENING TO MUSIC .