Saumil Bansal

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EDUCATION

Bennett University	Greater Noida, UP
Bachelor of Technology in Computer Science	*Sep. 2022 – Sep 2026*
St.Peter's College	Agra, UP
Science with Maths	*April. 2010 – March 2022*

EXTRACURRICULAR ACTIVITIES

Member of Parliament	St.Peter's College
Representative of Student Body	*April 2018 – March 2019*
Volunteering	Local Community Center
Tutor for Underprivileged Children	*Sep. 2023 – Present*

PROJECTS

Blogging app | *Javascript, react.js, html,css,Postman, node.js, express.js*

- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- I developed a MERN (MongoDB, Express.js, React.js, Node.js) stack blogging application from scratch, showcasing my proficiency in full-stack development.
- Visualized GitHub data to show collaboration
- Leveraging MongoDB for the database, Express.js for the backend, React.js for the frontend, and Node.js for server-side logic, I created a robust platform for creating, editing, and publishing blog posts.

Conformal prediction on plant village dataset | *Python*

- Conducted research on applying conformal prediction techniques to the Plant Village dataset, covering 15 distinct classes of plant diseases.
- Utilized a comprehensive Python-based toolkit for model development, employing TensorFlow and scikit-learn for model evaluation.
- Leveraged pandas for data manipulation, and matplotlib and seaborn for visualization, while relying on NumPy for numerical computations.
- Explored the intersection of machine learning and agricultural science, aiming to enhance the accuracy and reliability of plant disease classification models through meticulous experimentation and analysis.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R
Frameworks: React, Node.js, Flask, JUnit, WordPress, Material-UI, FastAPI
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib