

Ayush Thakur

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TECHNICAL SKILLS

Languages Javascript, Rust, Golang, SQL, Python, C++/C

Frameworks React, Next.js, Vue, Svelte, Flask, Django

Developer Tools Git, Docker, VSCode, Pycharm, Linux

Libraries Manim, Pygame, Pyglet, FastAPI, BeautifulSoup, Requests, SQLAlchemy

ML & Data Tools Matplotlib, Numpy, scikit-learn, Pytorch, Langchain, Transformers, OpenCV

EDUCATION

Netaji Subhas University of Technology

Bachelor of Technology in Computer Science and Engineering

Dwarka, New Delhi

2023 – 2027

DAV Public School

12th Standard(CBSE) - 95.0%

Sreshtha Vihar, New Delhi

2021-2023

Holy Angels' Sr. Sec. School

10th Standard(ICSE) - 95.8%

Rajendra Nagar, Ghaziabad

2009-2021

PROJECTS

EcoMitra | *NextJS, PostgreSQL, Prisma*

Github

- Built a dashboard that summarized banking statements and improved insight clarity, used by 50+ users.
- Leveraged AI to enhance financial literacy with features including budget tracking, expense categorization, and investment education.

Skin Cancer Detection Using EfficientNet | *PyTorch, EfficientNet, OpenCV*

Github

- Developed and fine-tuned a deep learning model (EfficientNet-B4) for highly accurate skin cancer (melanoma) detection, achieving 94% accuracy, 96% recall, and a 0.98 AUC on the test set.
- Leveraged transfer learning, data augmentation, and Grad-CAM visualization to build a robust and interpretable deep learning model for skin cancer detection.

Email Client | *NextJS, React, PostgreSQL*

Github

- Developed a robust and responsive frontend interface for a PostgreSQL-based email client, focusing on intuitive user experience and efficient handling of email functionalities.
- Architected the backend utilizing a PostgreSQL database hosted on Supabase, integrating a secure authentication system to manage user access and data with enhanced scalability.

ACHIEVEMENTS

Innohacks'24 Hackathon Winner

March 2024

- Optimized e-commerce logistics by solving routing problems and enabling polygon-based delivery zones.
- Implemented a fair catalog review system using a random classifier to allow only verified buyers to submit reviews.

JEE Mains

January 2023

- Achieved 99.44 Percentile with an All India Rank (AIR) of 6572 among 1.1 million candidates.

CO CURRICULAR ACTIVITIES

Web Dev Mentor | *Google Developer Student Clubs, NSUT*

2024 - Present

- Mentoring a cohort of 30+ students, delivering hands-on sessions and guiding them through real-world full-stack projects.
- Contributed significantly to building a Next.js + PostgreSQL CMS for internal society use, helping streamline event and announcement management and reducing manual coordination by \approx 50%.

Junior Council | *Devcomm (International Developers' Community), NSUT*

2024 - Present

- Collaborated with 50+ developers across branches to design a gamified DSA practice platform, targeting increased engagement with competitive coding.
- Collaborated with a team of 6 to design and develop a high-performance, animated website for Avinya'25 using React and Framer Motion, emphasizing responsive design and smooth UI/UX transitions.