Varnika Bajpai

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Education

KJ Somaiya College of Engineering, BTech, Information Technology 2022 – 2026
- GPA: 9.62
- **Coursework:**
    - Data Structures, Analysis of Algorithms, Object-Oriented Software Engineering, Web Programming
    - Database Management Systems, Advanced Databases, Digital Systems, Data Communication and Networking

Skillset

- **Technical** – C++, Java, Python, JavaScript, Front-end (HTML5, CSS3, JavaScript, ReactJS), Back-end (Node.js, Django), Databases (SQL, NoSQL).
- **Tool-Based** – PostgreSQL, MongoDB, PowerBI, Tableau, Git, GitHub, GitLab, Google Analytics, MS Excel.
- **Professional** – Full-Stack Web Development, Data Analysis and Visualization, Machine Learning and Deep Learning, Problem-Solving, Effective Communication and Collaboration.

Experience

Technology Summer Intern, Barclays – Pune, MH May 2025 – July 2025
- Contributed to enterprise workflow automation initiatives and internal tooling projects. Actively engaged in ERG groups.

Summer Intern, G-Square Solutions (AI/ML and BI Solutions Provider) – Mumbai, MH June 2024 – July 2024
- Developed backend ML models using Django and Flask frameworks, integrating into product offerings.
- Proficient in Python, machine learning, feature engineering, and data analysis, managing end-to-end AI/ML project lifecycles from preprocessing to deployment.

Projects

Symbiote
- Built an AI-powered platform to match students into balanced hackathon teams using skills, GitHub, and EQ traits.
- Tech Stack: React, Node.js, MongoDB, Python (ML), Socket.io

MalShield
- Created a ML -powered (LightGBM-based) malware detection tool using static/dynamic analysis and YARA rules; supports EXE, DOC, BAT, etc.
- Tech Stack: Python, LightGBM, YARA

Achievements/Volunteer Work

- **Idea Hackathon - UBI Bharosa**
    - Engineered ML models achieving up to 97% facial recognition accuracy and 90%+ precision in customer prioritization and recommendations—central to UBI Bharosa, an AI-powered scheduler and smart ticketing system.
    - Secured 3rd place out of 50+ teams in Union Bank of India's Idea Hackathon (PSB Series).
    - Tech Stack: PostgreSQL, Express.js, React, Node.js (PERN stack), Python (ArcFace, XGBoost, Random Forest).
- **Computer Society of India** – Organized national hackathons (Smart India Hackathon, Devopia), delivered AI/ML talks at events, and honed event management, public speaking, and programming skills.
- **Somaiya Debating Society** – Engaged students through targeted campaigns and events, and presided over the Big Somaiya Debate, ensuring smooth flow and fair competition.

Certificates

- React - The Complete Guide 2024 (incl. Next.js, Redux)- Udemy
- Generative AI Basics NLP – Salesforce Trailhead
- Google Analytics for Beginners – Google Analytics Academy