HIMANSHI PRAKASH

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Education

Netaji Subhas University of Technology, Delhi, India	**2021 - 2025**

- BTech in Computer Science and Engineering | CGPA: **7.96**

St Thomas School, Delhi, India	**2020 - 2021**

- *CBSE (Class XII), 95.6%*
- *CBSE (Class X), 94.2%*   **2018 - 2019**

Relevant Coursework: Data Structures and Algorithms, Web Development, Operating Systems, Database Management System*s*, High-Performance Computing, Computer Architecture, Machine Learning, Software Engineering, Internet of Things

Skills

Programming Languages: C++, C, Java, Kotlin, Python, SQL, C, HTML, CSS, JavaScript, R
Libraries/ Frameworks: React, Spring Boot, Android SDK, Retrofit, Bootstrap, RESTful APIs, Express.js, Node.js, AWS
Tools/ Platform: Git, Android Studio, VS Code, Docker, API Testing, Postman, Firebase

Work Experience

OYO	**Gurugram, Haryana**
Software Development Engineer Intern (Java, Kotlin)	**Jan 2025 - Present**

- Optimized OYO's Android apps to support 100K+ monthly active users.
- Implemented 5+ new features and resolved 30+ bugs, increasing app stability and customer satisfaction.
- Collaborated closely with product managers, designers, and backend engineers to deliver high-quality releases.

ADOBE	**Noida, India**
Product Intern (React.js, Java Spring Boot, AWS)	**May 2024 - Aug 2024**

- Engineered a dashboard for 50+ team members, enabling event analysis, streamlined scheduling, and capacity monitoring.
- Optimized data rendering, reducing query writing time by 80%, and improving event analysis.
- Deployed to AWS, ensuring 24/7 availability, facilitating real-time access for the team, and improving feature adoption by 40%.

Projects

Portfolio Website | *React.js, HTML, CSS, JavaScript* (**Link**)

- Designed and developed a fully responsive personal portfolio, showcasing 5+ projects and other skills.
- Hosted on GitHub Pages, demonstrating end-to-end project execution and real-world deployment experience, achieving 300+ unique visitors within the first month.

Quizwarts- A Quiz App | *Kotlin, Java, XML, Android SDK, Retrofit, Coroutines*

- Created a native Android quiz application, following best practices and modern UI principles.
- Integrated RESTful APIs and implemented interactive features, increasing average session time by 30%.

Novel Attention-Guided CNN for CXR Image Disease Classification | *Python, TensorFlow, PyTorch*

- Introduced a novel attention-guided mechanism for CNN using custom kernels, achieving 97.42% accuracy and 98.5% precision on 33,920 frontal chest X-ray images.
- Incorporated Grad-CAM heat maps to generate important matrices for the CXR images, which were leveraged in the proposed model to help focus on important regions by 20%.

Certifications

- **Fundamentals of Deep Learning, NVIDIA:** Completed an in-depth course covering the core principles and techniques of deep learning.
- **The Web Developer Bootcamp, Udemy:** Gained comprehensive knowledge in full-stack web development, including front-end and back-end technologies.