

Bharat Gupta

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Education

The University of Texas at Dallas, MS in Information Technology and Management Aug 2024 – Present

Coursework: OOPS in Python, Database Foundations, Technology & New Product Development and Data Visualization.

Pune Institute of Computer Technology, BE in Computer Engineering

Aug 2016 – Jun 2020

Coursework: Data Structure and Algorithms, Database Management, Data analytics, Operating Systems, Web Programming.

Skills

- **Technical skills:** Python, JavaScript, Kotlin, Java, MySQL, AWS, MongoDB, HTML, CSS, React, Angular, Android, Git.
- **Tool Used:** Android Studio, VS Code, Jupyter Notebook, Tableau, Confluence, Jira, Github.

Professional Experience

HSBC Software Development – Pune, India

Sep 2020 – Jul 2024

Senior Software Engineer

- Contributed as an Android Developer, leading the integration of 2-factor authentication and creating various user journeys for HSBC mobile banking, boosting security and user experience, which resulted in a **5-6 market** expansion annually.
- Collaborated with design, copywriting, & development teams to improve app functionality and user interface.
- Identified & mitigated memory leaks, resulting in a **90%** reduction in crashes & also performance improvement.
- Won **2nd** Prize at HSBC Hackathon for a web app using Frontend UI stack (HTML, CSS, JavaScript) integrated with APIs.

ATechnos – Gurgaon, India

Jun 2020 – Aug 2020

Web Development Intern

- Created a dashboard with real-time API-driven charts using HTML, CSS and JS, enhancing company insights by **50%**.
- Developed REST APIs with Express.js and MySQL, resulting in a **15%** enhancement of dashboard functionality.

Persistent Systems – Pune, India

Aug 2019 – Jun 2020

BE Project Intern

- Designed a VQA system for medical diagnostics, achieving **70%** accuracy with multimodal neural networks.
- Developed a UI with PyQt5, integrating NLTK, OpenCV, and other technologies for enhanced functionality.

Projects

XBoard: A Dynamic News Feed Experience

Nov 2021 – Dec 2021

- Created a dynamic News Feed website from scratch using HTML, CSS, Bootstrap, and JavaScript.
- Optimized user interaction by incorporating Accordions and Image Carousels for seamless navigation.
- Utilized Flipboard's RSS Feed via REST API to fetch and display real-time, curated news content.

Out Of Band Authentication System, Project Voyager (HSBC Hackathon)

May 2021 – Oct 2021

- Developed a dynamic web application to streamline customer identity verification and mitigate fraud risks for banks, leveraging push notifications to verify customer identities on their mobile devices securely.
- Streamlined the process for customers by eliminating physical documents, boosting satisfaction.

DocTalk: Increase in clinician-patient face, Smart India Hackathon 2019

Feb 2019 – Mar 2019

- Developed "DocTalk," a medical documentation website using speech-to-text technology.
- Enhanced clinician-patient interaction by automating documentation tasks.

Organizations

UI/UX Officer, The Product Base Club, UT Dallas

Sep 2024 – Present

Achievements

- **Star Performer Award, HSBC** – Honored for driving impactful enhancements to mobile features in HSBC Banking app.
- **Finalist, Smart India Hackathon 2019** – Recognized by the Government of India for innovative healthcare solutions.