Harsh Burman

7003529267 | burmanharsh2003@gmail.com | https://www.linkedin.com/in/harshburman20 | https://github.com/Harsh-Burman

Work Experience

GirlScript Summer of Code Contributor May 2024 – Aug 2024
Open Source

- Contributed to GirlScript-affiliated open-source projects, ranked among top 2000+ contributors globally.
- Earned 9 badges for outstanding contributions and applied algorithmic solutions in various project categories.

Technical Skills

- **Programming Languages:** Java, Python, C++, C
- **Full Stack:** HTML, CSS, Tailwind CSS, JavaScript, React.js, Node.js, Express.js, REST API Integration
- **Databases:** MySQL, MongoDB
- **Tools & Platforms:** Git, GitHub, Postman, MongoDB Atlas

Projects

E-Tracking: Personal Expense Tracker Feb 2025 – Apr 2025
Full Stack Web Application Vite.js, Tailwind CSS, Node.js, Express.js, MongoDB

- Designed and deployed a secure expense tracking platform with user authentication, profile management, and RESTful APIs tested via Postman, enabling seamless budget control for 30+ users.
- Developed financial dashboards with interactive bar charts delivering 7, 30, and 60-day insights; enhanced data flow efficiency using modular controllers, middleware, and integrated frontend components.

CollabSphere May 2024 – Jun 2024
Full Stack Web Application React.js, Node.js, Express.js, MongoDB

- Engineered a scalable platform connecting 50+ users for project collaboration, integrating hosted listings and applicant profiles with GitHub and LinkedIn links to streamline team selection and improve matching efficiency.
- Enabled real-time communication using Socket.io, secure logins via Google OAuth and email OTP, and interactive communities with leaderboards to track user contributions across 8+ domains.

Detection of Anaemia Through Non-Invasive Method Aug 2023 – Oct 2023
IoT Health Monitoring Project Arduino, MAX30100 Sensor

- Engineered a real-time health monitoring system using MAX30100 sensor and Arduino to measure SpO2 levels every 0.5 seconds, analyzing data to detect anaemia based on variance in hemoglobin estimations.
- Applied research-backed algorithms from academic papers to estimate hemoglobin non-invasively, improving the system's detection logic by excluding inaccurate absolute values and focusing on trend analysis.

Education

VIT Bhopal University Bhopal, Madhya Pradesh
B.Tech. in Computer Science and Engineering — CGPA: 8.86/10 Oct 2022 – Present

- Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Operating System, Cloud Computing, Artificial Intelligence and Machine Learning, Computer Networks

Sunrise School Howrah, West Bengal
12th Standard — Percentage: 87/100 Apr 2020 – Jul 2021

Sunrise School Howrah, West Bengal
10th Standard — Percentage: 86.8/100 Apr 2018 – May 2019

Extra-Curricular

- **Competitive Programming:** Achieved 5-star ratings in Python and Java on HackerRank; solved 200+ algorithmic problems across multiple platforms.
- **LeetCode:** Solved over 200 LeetCode problems, strengthening algorithmic thinking and data structure knowledge.
- **MongoDB Data Modeling Intro Certificate (Smartbridge):** Gained hands-on experience with MongoDB Atlas, including data modeling, querying, and backend integration using Node.js.
- **Postman API Fundamentals Student Expert Certificate:** Demonstrated proficiency in API testing and development using Postman.