Bharti Jayprakash

✉ bhartijayprakash19@gmail.com   🔗 https://www.linkedin.com/in/bharti-jayprakash-profile/

📞 +91 9822476697   ⓞ https://github.com/invtfl-bharti

EDUCATION

VIT Bhopal University, Bachelors of Technology in Computer Science Engineering
- Current GPA is **8.97**   Oct 2022 – present | Bhopal, M.P., India

Global Public School & Junior College,
- Intermediate % is **88.00**   May 2021 | Nashik, Maharashtra, India

St. Francis High School,
- High School % is **82.80**   May 2019 | Nashik, Maharashtra, India

TECHNICAL SKILLS

Languages
    JavaScript, C/C++, Python, Java

Technologies/Frameworks/Libraries
    Next JS, React JS, Node JS, MongoDB, Express JS, Tailwind CSS, HTML, CSS, Machine Learning, Git, APIs, DSA

EXPERIENCE

Industry Experiential Learning, [IoT & Embedded Systems | Metro Infrastructure | Cybersecurity | Prototyping] Sep 2024 – Oct 2024
- **Visited 6+ industry-leading organizations**, including **BSNL RTTC, L&T Metro, T-Works, and Arete Incident Response Office**, gaining hands-on insights into **IoT (ESP32 microcontrollers), rapid prototyping and 3D printing.** Explored **metro rail automation** systems and attended **startup mentorship sessions** by industry leaders.

PROJECTS

Turning Trash to Treasure – Garbage Detection ML Model, [OpenCV, CNN, Image Processing] Sep 2023 – Jan 2024
- Developed an AI-powered garbage detection system that automated worker allocation when waste exceeded predefined thresholds, improving efficiency in waste management.
- Trained a Machine Learning model on 2,700+ images, achieving **89% precision, 78% accuracy, and a 0.74 F1-score**, using a **30-epoch training pipeline** with advanced learning rate scheduling for improved detection reliability.

Mail Scheduler, [Next JS, React.JS, Tailwind CSS, JavaScript] Jan 2025 – present
- Built a **mail scheduling feature** in Next.js, improving email automation efficiency by **70%** and achieving **95% scheduling accuracy** through optimized database queries and API integrations.
- Designed a **responsive UI** with Tailwind CSS, incorporating debouncing mechanisms for a seamless scheduling experience.

Seva Sathi - On-Demand Service Marketplace, [React.JS, Express.JS, MongoDB, NodeJS, Tailwind CSS] ongoing
- Developing a platform connecting **100+ electricians, plumbers, and carpenters**, reducing service wait times by **70%** through real-time availability and instant job assignments.
- Implementing a **job dispatch system** where workers receive requests within **5 seconds** and can accept them in real time. Features include **live tracking, secure payments, and a dual rating system**, improving service reliability by **40%**. Optimizing the **matching algorithm and scalability** to support **10,000+ job requests per month**.

Satchel Shop - An ecommerce website, [EJS, Express.JS, MongoDB, NodeJS, Multer, JWT Auth]. Dec 2025 – present
- Built **Heavenly**, a full-stack e-commerce platform for clothing and bag brands, utilizing **Node.js and Express.js** for **secure session management and dynamic server-side rendering**, JWT authentication for secure access .

ACHIEVEMENTS

- Awarded multiple medals for excellence in school Olympiads, awarded by Yippee noodles for good IQ and General Knowledge.
- Recognized by Lokmat Times for exceptional handwriting.
- **Runner Up at CodeX (Web Dev Hackathon)** by Cisco Community at VIT Bhopal.

CERTIFICATIONS

- NPTEL **Top 5%** in Cloud Computing ⧉
- TCS CodeVita Season 12 **"Round 2"** ⧉
- Google's The Bits and Bytes of Computer Networking ⧉
- Flipkart Grid 6.0 Hackathon Participation ⧉