BHARAT H

Full Stack Developer

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EDUCATION

Pankajakasthuri College of Engineering and Technology

- Bachelor of Technology in Mechanical Engineering
- 2014 - 2018

SKILLS

- **Programming Languages:** JavaScript, Python, HTML, CSS, TypeScript, Node.js
- **Frameworks & Libraries:** ReactJS, NextJS, Express.js, Django, FastAPI, Bootstrap, TailwindCSS, Shadcn UI, Pandas, Numpy, jQuery
- **Databases:** MongoDB, MySQL, PostgreSQL
- **Tools & Platforms:** Git, Docker, VS Code, Postman, Figma, Vercel
- **Development Practices:** Agile Methodologies, RESTful API Design, JSON Web Token (JWT) Authentication, Test-Driven Development (TDD)
- **Cloud & Hosting:** AWS, Azure, Heroku
- **Operating Systems:** Linux, Windows
- **Soft Skills:** Strong Team Collaboration, Proactive Problem-Solving, Adaptable, Results-Oriented Mindset

CERTIFICATIONS

- **MashupStack Trivandrum**: Full Stack Web Development in Python, Django and React
- **Udemy**: The Complete 2023 Web Development Bootcamp

PERSONAL PROJECTS

- Text Comparison Tool (NextJS)
- Expense Tracking App (MERN)
- Color Picker App (MERN)
- E-Commerce App (Django)
- Caeser Cipher (Python)
- Weather App (Javascript)

PROFESSIONAL EXPERIENCE

Senior Civil Police Officer / Software Developer

Kerala Police | 2023 September - Present
Technical Intelligence Wing, State Special Branch (SSB) HQ

- **Secure Data Management App**: Collaborated on a law enforcement data analysis application using Python, Django, HTML, CSS, Bootstrap, and JavaScript, streamlining data processing by 60% and enhancing workflow efficiency.
- **MERN Stack Development**: Built a full-stack application (MongoDB, Express.js, React.js, Node.js) to replace fragmented MS365 processes, slashing manual data entry by 80% and accelerating retrieval times by 50%.
- **Web Application Development**: Co-built a Python-FastAPI data management system with RESTful APIs, reducing manual data tasks by 90% and serving 100+ daily users through modular architecture and Swagger documentation.

Civil Police Officer / Software Developer

Kerala Police | 2021 March - 2023 September
Confidential Technical Wing, Kerala Police Headquarters

- **Data Analysis & Management**: Engineered secure MS Access/MS 365 workflows for 500+ user accounts, implementing role-based access controls and GDPR-compliant protocols to safeguard sensitive data integrity.
- **AI-Powered Investigation App**: Contributed to building an AI-driven investigation tool for centralized data management and audio-video analysis, enhancing investigative capabilities by 30% and improving operational efficiency by 25%.
- **Full-Stack Development**: Revamped UI/UX with Bootstrap/JavaScript and optimized MySQL queries using indexing strategies, slashing load times by 25% and boosting query speeds by 40% for high-traffic dashboards.
- **Secure Network Deployment**: Implemented a secure network deployment, increasing data protection by 35% and enabling seamless access for over 100 users.
- **Process Automation & Recognition**: Automated data workflows using Python and SQL, increasing process efficiency by 60% and accuracy by 40%, earning two departmental recognition awards.

Police Constable

Kerala Police | 2020 February - 2021 March
Malabar Special Police

- **Investigative Data Analysis:** Performed critical data analysis and collaborated across departments to support case resolution efforts, ensuring effective law enforcement support.

Data Analyst

Binary Fountain Pvt Ltd | 2018 September - 2019 December

- **Data Analytics for U.S. Healthcare:** Conducted in-depth data analysis using SQL and Excel, identifying key trends to boost patient satisfaction scores by 20%.
- **Python & SQL Automation:** Utilized Python scripting and SQL to automate data analysis workflows, accelerating decision-making processes and reducing errors.
- **Dashboard Creation:** Built automated reporting dashboards with Excel Macros and Python, cutting manual reporting time by 30% and providing real-time insights for healthcare stakeholders.