Bhaumik Singh

TECHNICAL SUPPORT ENGINEER · QA PROFESSIONAL

+91 (870) 776-8982 | bhaumiksingh2000@gmail.com | github.com/mic-360 | linkedin.com/in/bhaumic

Experienced Pieces for Developers beta tester with expertise in triaging, reproducing, and managing GitHub issues across macOS, Windows, and Linux. Strong engineering background and passion for improving user experiences through efficient collaboration with technical teams.

Experience

Twinverse Technology Pvt. Ltd. – India   *Dec 2022 – Oct 2023*
CTO & Full Stack Developer (Co-Founder)
- Spearheading the design and development of cutting-edge AR/VR solutions to drive accessibility and affordability in immersive technologies.
- Utilizing Next.js, TypeScript, WebXR, and Flask to build scalable and intuitive full-stack applications.
- Overseeing technical architecture and team collaboration using Git, GitHub Actions, and automation tools like PowerShell and Shell Scripting.
- Designed robust 3D visualizations using Blender, streamlining workflows for AR/VR applications.
- Led the development of an innovative virtual try-on platform integrating machine learning for 3D garment fitting.
- Enhanced the company's technological roadmap to improve time-to-market and cross-platform compatibility.

Karkhana (Makerspace for IoT Technologies) – Bhubaneswar, Odisha, India   *Jan 2022 – Oct 2022*
Maker (Intern)
- Worked on prototyping IoT projects using Arduino and other microcontrollers, contributing to the development of practical hardware solutions.
- Gained hands-on experience in rapid prototyping and device integration.

Technical Skills

Programming Languages	Python, Java, Kotlin, TypeScript, C++, C, Swift
Web Development	Next.js, Flask, WebXR, Web Security
Cloud Platforms	Google Cloud Platform (GCP), Microsoft Azure
Tools & Frameworks	Git, GitHub Actions, Bash, Shell Scripting, Blender
IoT & Hardware	Arduino, Linux Command Line
Other Skills	Digital Marketing, Site Reliability Engineering (SRE)

Projects

Virtual Try-On Platform (Twinverse)
- Developed an interactive virtual try-on system enabling users to upload photos and simulate wearing garments using advanced 3D clothing design and CatVTON technology.
- Engineered dynamic garment fitting algorithms leveraging machine learning and 3D modeling to personalize user experiences.
- Technologies: Python, Next.js, WebXR, Blender, Flask.

Cybersecurity Threat Analysis Dashboard
- Designed a web-based dashboard for visualizing and analyzing cybersecurity threats in real-time.
- Implemented interactive charts to display threat levels, attack origins, and response effectiveness using D3.js and Google Charts.
- Technologies: Python, Flask, JavaScript, D3.js, Google Cloud.

Bug Tracker Enhancement Tool (Team Project)
- Developed a Python-based issue-tracking enhancement module integrating with GitHub, increasing efficiency in bug triaging and resolution.
- Technologies: Python, GitHub API.

Education

7.3/10   **Computer Science Engineering**, *ITER | Siksha'O'Anusandhan University* | Odisha, India   *2021-25*

Certifications

Jun 2024	**Automate Cybersecurity Tasks with Python**,	*Google*
Mar 2024	**Tools of the Trade: Linux and SQL**,	*Google*
Apr 2023	**Web Security: Secure Web Applications**,	*Codedamn*
Mar 2022	**GitHub Actions: CI/CD**,	*Codedamn*
Sep 2022	**Architecting Google Compute Engine Specialization**,	*Google*
Jan 2024	**Google Analytics Certificate**,	*Google*