

Bhimesh Patil

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SUMMARY

Java developer with **over a year of hands-on experience** in the IT industry and currently pursuing an **M.Sc. in Software Technology**. I enjoy building clean and reliable backend systems, with experience ranging from Azure to projects working on Spring boot. Focused on teamwork, automation, and developing software that genuinely improves user experience.

EDUCATION

Masters of Science In Software Technology

03/2023 – present | Stuttgart, Germany

Hochschule für Technik Stuttgart

- **Key Subjects:** DSA, Software Architecture, Middleware Technology, Software Project Management, Software V&V.

Bachelor of Science In Information Technology

07/2019 – 04/2022 | Mumbai, India

University Of Mumbai

- **Key Subjects:** OOP, C++, Python, Java, Linux, AI, Database Systems, .NET, C#, Business Intelligence.

WORK EXPERIENCE

Blockchain-Based Geospatial Data Storage (Master Thesis)

10/2024 – present | Stuttgart, Germany

Hochschule für Technik Stuttgart 📄

- Designed a secure full-stack system for encrypted geospatial data using **AES, RSA**, and **Ethereum Smart Contracts**.
- Built a **FastAPI** backend (Web3.py) and **React** frontend for secure uploads, permission control, and map visualization.
- Deployed using **Docker, NGINX**, and **GitHub Actions** to enable decentralized access and scalable operations.

Full-Stack Developer (Working Student)

04/2024 – 09/2024 | Stuttgart, Germany

KNIGHT Project 📄

- Built a **MongoDB**-based backend integrated with Amazon S3 for efficient data ingestion pipelines.
- Automated data uploads and visualization using Python scripts and MongoDB Compass.
- Created **CI/CD** pipelines and integrated **Grafana** for real-time analytics on MySQL datasets.

Software Developer

05/2022 – 02/2023 | Mumbai, India

Tata Consultancy Services 📄

- Modernized a legacy mainframe app into a cloud-based accounting platform on **Azure**.
- Developed transaction-processing microservices using **Spring Boot**.
- Automated revenue distribution processes using **Spring Batch**, reducing manual effort significantly.

Cloud Computing Intern

02/2021 – 04/2021 | Remote, India

Verzeo

- Worked on Azure **VNet** and **Blob Storage** setups; conducted server role testing and disaster recovery validation.
- Identified and optimized CPU resource allocations to improve server performance.

Website Development & Administrative Support

11/2019 – 05/2020 | Mumbai, India




VHBS Enterprises 📄

- Designed and maintained a business website (Wix, WordPress), boosting company visibility.
- Handled administrative operations, including billing, quotations, and client correspondence.

SKILLS

Java | Spring Boot | Javascript | Azure Cloud | Docker | Tools — IntelliJ, Git, JUnit

PROJECTS

Personal Finance Tracker 	07/2024
<ul style="list-style-type: none">• Full-stack application for transaction tracking, budget setting, and financial analytics.• Tech: Java, Spring Boot, PostgreSQL, Docker, GitHub Actions	
Q&A Hub (Spring Boot Application) 	02/2024
<ul style="list-style-type: none">• CRUD application for a Q&A platform with Dockerized MySQL backend and automated testing pipelines.• Tech: Java, Spring Boot, MySQL, Docker	
GPT Bot for Discord	11/2023
<ul style="list-style-type: none">• Intelligent Discord chatbot using OpenAI’s API for real-time responses.• Tech: Python, discord.py, OpenAI API	
MyPlacement (Recruitment Portal)	06/2023
<ul style="list-style-type: none">• College recruitment system connecting students and recruiters with admin moderation features.• Tech: HTML, JavaScript, PHP, MySQL	
DeBallot – Decentralized Voting System 	01/2022
<ul style="list-style-type: none">• Blockchain-based transparent voting system built on NEAR Protocol.• Tech: Node.js, React Bootstrap, NEAR	

CERTIFICATES

Microsoft Certified: SC-900 (Security, Compliance, and Identity Fundamentals)

Microsoft Certified: AZ-900 (Azure Fundamentals)

NVIDIA DLI: Fundamentals of Deep Learning

Cisco Networking Academy: Introduction to Cybersecurity

LANGUAGES

English: CEFR - C1 | German: A2