



Bhavik Patel

Work permit: German **Nationality:** Indian **Date of birth:** 26/07/1999 **Gender:** Male

Phone number: (+49) 15566214361 **Email address:** bhavikp0799@gmail.com

LinkedIn: <https://www.linkedin.com/in/er-bhavik-patel-64454b151/>

Home: Butzweiler Str. 13, 50829 Cologne (Germany)

ABOUT ME

Software Engineer with a Master's in Cyber Security and strong expertise in Python, Java, and cloud-native applications. Experienced in building scalable full-stack systems, developing ML-based solutions, and working on distributed systems. Passionate about solving complex problems and delivering impactful tech.

LANGUAGE SKILLS

Mother tongue(s): Hindi | Gujarati

Other language(s):

English (Proficient User)

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION B2

German (Basic User)

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

EDUCATION AND TRAINING

Master Of Science in Cyber Security

University of Gloucestershire (Fachhochschule des Mittelstands - Campus Düren) [15/10/2023 – 30/10/2024]

City: Düren | **Country:** Germany | **Website:** <https://www.glos.ac.uk/>

- Possess a strong foundation in cybersecurity principles, including programming, network security, operating system hardening, cryptography, web application security, and the ability to develop security awareness training programs.

Bachelor Of Engineering in Computer

C.K Pithawalla College of Engineering and Technology (Gujarat Technological University) [13/07/2017 – 20/06/2021]

City: Surat, | **Country:** India | **Website:** <https://www.gtu.ac.in/> | **Field(s) of study:** Computer Science | **Final grade:** 8.33 out of 10.00 CGPA (78.3%)

- Possess expertise in software development, system analysis and design, database management, network and systems administration, cybersecurity, web development, and project management.

WORK EXPERIENCE

SOFTWARE DEVELOPER, COMPUTER LANGUAGE TRAINER & WEB DEVELOPER

Govardhan Infotech Pvt. & Ltd. [13/04/2021 – 13/05/2023]

City: Surat, Gujarat | **Country:** India

- Developed and maintained full-stack web applications using Python, Django, and MySQL.
- Collaborated in Agile teams to deliver features, conduct code reviews, and ensure CI/CD pipeline reliability.
- Optimized REST APIs and reduced response time by 30% through efficient database indexing and caching.

PROJECTS

[10/05/2024 – 27/09/2024]

Deep Learning and Big Data Analytics for Anomaly Detection in Insider Threat Platforms

- Conducted an in-depth study on using deep learning models, such as Convolutional Neural Networks (CNNs), integrated with big data analytics for insider threat detection.
- Designed and implemented an automated analytic tool using secondary datasets sourced from Kaggle, focusing on anomaly detection.
- Compared multiple machine learning classifiers (Random Forest, KNN, MLP, etc.) and achieved high accuracy using the Decision Tree model.
- Highlighted ethical considerations in AI applications and adhered to GDPR compliance during data analysis.
- Published findings on performance metrics such as accuracy, precision, recall, and F1-scores.
- Achieved 93% accuracy using Decision Trees; published metrics in academic report.

Link: <https://github.com/Bhavik7173/Thesis>

[18/10/2022 – 10/11/2022]

Brain Tumor Detection App

- Built an ML-powered Android app using CNNs to detect brain tumors from X-ray images with 90% accuracy.
- Used Django backend for admin panel and deployed on AWS EC2.

Link: <https://github.com/Bhavik7173/Android-Project>

[12/05/2022 – 09/07/2022]

Quiz Application

A Quiz Application is a android program designed to create, administer, and manage quizzes or tests. This type of application is commonly used for educational purposes, training assessments. Here's a general description of the key features and components you might find in a typical Quiz Application:

- Developed a quiz application with user authentication, programming question creation, scoring, leaderboards, and analytics.
- Designed a user-centric interface with performance tracking dashboards and content management for programming assessments.
- Implemented reporting features to analyze user performance, identify gaps, and optimize learning content.

Link: <https://github.com/Bhavik7173/QuizApp>

[12/07/2020 – 05/05/2021]

College Connect Website

I am describing a system with a two-step process involving a website for administrative approval and an Android application for accessing approved data. Here's a breakdown of the key components and steps involved:

- Managed the entire mobile app development lifecycle, from administrative website creation and data approval process integration to Android application development, user access control, security implementation, notification system setup, and audit trail creation.

[12/07/2020 – 05/05/2021]

College And Alumni Management System

A College and Alumni Management System is a comprehensive software solution designed to streamline and enhance the various administrative and operational processes within an educational institution, particularly focusing on managing student data, academic information, and alumni relations. The system serves as a centralized platform to efficiently handle tasks related to student enrollment, academic records, faculty management, and alumni engagement.

DIGITAL SKILLS

Technical Skills

- **Programming Languages** : Python, Java, JavaScript, C++, PHP.
- **Web Development** : React.js, Node.js, Express, Django, Flask, HTML, CSS, REST APIs.
- **Databases** : MySQL, PostgreSQL, MongoDB.
- **Cloud & DevOps** : AWS (EC2, S3), Docker, Jenkins.
- **ML/AI** : TensorFlow, Scikit-learn, CNNs, KNN.
- **Tools** : Git, GitHub, Postman, VS Code, Jupyter, Linux.

Soft & Business Skills

- Problem Solving & Critical Thinking
- Effective Communication (Verbal & Written)
- Agile & Scrum Collaboration
- Time Management & Prioritization
- Teamwork & Adaptability
- Ownership & Initiative
- Technical Documentation & Presentation
- Customer-Focused Approach