

# Priyanka Giri

Software Engineer

017657783896 | [priyanka.giri.0397@gmail.com](mailto:priyanka.giri.0397@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## SUMMARY

Results-driven Frontend Developer with 5+ years of experience designing and developing responsive, scalable web applications in fintech, e-commerce, and construction automation. Proficient in Angular, React, TypeScript, JavaScript, Tailwind, and automated testing frameworks. Skilled in UI/UX optimization, performance tuning, state management, REST API integration, and cross-browser compatibility. Adept at working in Agile/Scrum teams to deliver high-quality software that improves user experience and reduces time to market.

## TECHNICAL SKILLS

**Frontend Development:** React, Angular, Vue.js, Redux, Storybook, three.js, Chart.js, WebGL  
**UI/UX & Styling:** HTML5, CSS3, SCSS, Tailwind, Bootstrap, Responsive Design, Accessibility (WCAG)  
**Testing & Automation:** Cypress, Playwright, Jest, Unit Testing, E2E Testing, CI/CD Pipelines  
**Backend & APIs:** Node.js, Flask, REST API Integration, Firebase, MongoDB, SQL  
**Cloud & DevOps:** AWS (S3, Lambda), Docker, GitHub Actions  
**Collaboration Tools:** Jira, Trello, Slack, ClickUp  
**Programming Languages:** TypeScript, JavaScript, Python, Java

## LANGUAGE SKILLS

**English:** C1 (Fluent – Professional Proficiency)  
**Germany:** A2 (Basic – Conversational)

## EXPERIENCE

### Software Engineer

May. 2022 – Oct. 2023

*Specter Automation - Automation in construction industry*

*Köln, Germany*

- Developed and optimized a **B2B construction automation platform** using Angular16, TypeScript, Tailwind, and AWS, improving load times by **35%** and ensuring **cross-browser compatibility**.
- Built interactive **3D BIM visualization features** with Three.js, enhancing usability for engineers and reducing manual error reports by **20%**.
- Implemented **automated end-to-end testing** with Playwright, cutting QA cycle time by **30%** and preventing **25%** more defects from reaching production.
- Collaborated in an **Agile team** with designers and backend developers to deliver features on schedule while maintaining high code quality via code reviews and GitHub Actions.

### Junior Frontend Developer

Dec. 2019 - Aug. 2021

*Coindex - Cryptocurrency exchange platform*

*Bielefeld, Germany*

- Built **modular React components** with TypeScript and SCSS for a crypto trading platform, reducing redundant code by **40%** and improving scalability.
- Developed a **data visualization SPA** with Redux, Chart.js, and REST APIs to track **10k+ daily crypto transactions**, cutting dashboard latency by **40%**.
- Automated regression testing with Cypress, reducing manual QA by **25 hours/month** and improving **release stability**.
- Deployed features via AWS Lambda and integrated with **microservices-based architecture** for scalability.

### Angular Developer

Dec. 2017 - Dec. 2018

*iDeators Technologies - IT services provider*

*Mumbai, India*

- Delivered **Angular6-based UI components** for a B2C e-commerce site with **5k+ monthly users**, optimizing checkout flow and reducing cart abandonment by **15%**.
- Implemented **Firebase authentication and real-time database features**, improving site reliability and reducing downtime during high-traffic sales events.
- Collaborated closely with UI/UX designers to create **responsive web pages** and ensure **mobile-first compatibility**.

## PROJECTS

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### Near-Shortest Path Routing in Hybrid Communication Networks Using Python

*Paderborn University*

Feb. 2025 – July 2025

- Built a **Python-based hybrid routing system** with NetworkX and Matplotlib, improving path efficiency by **20%**.
- Designed algorithms with binary tree-based portal structures for scalable performance.

### AICON: Artificial Intelligence for Computer Networks

*Paderborn University*

Apr. 2020 – Mar. 2021

- Applied **reinforcement learning models** in wireless networks using Python and TensorFlow, reducing packet loss by **18%**.
- Developed **network visualization tools** in NetworkX for debugging and performance tracking.

### Car Damage Assessment for Car Insurance

*Mumbai University*

Jun 2018 – May 2019

- Built a **machine learning model** with Python achieving **92% classification accuracy** for car damage detection.
- Paper publication based on project Damage Assessment For Car Insurance

## EDUCATION

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### Paderborn University

*Masters in Computer Science*

Paderborn, Germany

2019 - 2026

### Mumbai University

*Computer Engineering*

Mumbai, India

2015 - 2019

## CERTIFICATIONS

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### AWS Solutions Architect Associate Certification

expected Jan 2026