# SUPRABHAT SUPRABHAT

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## PERSONAL DATA

**Birthday**　　03.10.1997

**Birthplace**　　Patna, India

**Nationality**　　Indian

**Work Permit**　　Available

**LinkedIn**　　**in/suprabhat**

Full-stack software developer with 3+ years' experience delivering scalable, maintainable applications using **React, Next.js, TypeScript, and REST APIs** in Agile, cross-functional teams. Proven ability to collaborate directly with clients, ensure code quality through reviews and testing, and mentor team members while building responsive, user-centric solutions across web and mobile platforms.

## EDUCATION

**10/ 2021-03/2025| Masters in Sciences**
University of Siegen, Siegen, Germany

- **Focus:** Computer Science (Embedded Systems)

**2015 - 2019 | Bachelors of Technology**
Cochin University of Science and Technology, Kochi, India

- **Focus:** Electronics and Communication Engineering

## TECHNICAL SKILLS

- **Frontend Development:** React, Next.js (and React Native readiness), TypeScript, JavaScript, Responsive UI design and implementation, API integration with REST and GraphQL
- **Full-Stack Development:** Backend services with Python (Django, FastAPI), End-to-end feature delivery from frontend to backend
- **Code Quality & Maintainability:** Code reviews, automated testing (Playwright, Cypress), CI/CD pipelines (GitHub Actions, CircleCI)
- **Agile & Cross-Functional Collaboration:** Sprint-based development with designers, PMs, and testers,
- **Client Communication & Consulting:** Translating technical concepts into business value
- **Deployment & Scalability:** Dockerized deployments for reproducibility, Optimizing applications for performance and scalability

## RELEVANT EXPERIENCE

**Since 01/2025 | German Course (B1 in progress)**

**11/2023 – 09/2024 | FOXBYTE (CSI Verwaltungs GmbH), Neckarsulm (Germany)**
Master Thesis- Data Science & Software Development

- Designed and implemented scalable, maintainable Python services for time-series forecasting, integrating with **React/Next.js** dashboards for cross-functional use.
- Built modular, reusable feature engineering pipelines with automated testing and GitHub Actions CI/CD for reliability and easier team collaboration.
- Developed interactive dashboards to visualize KPIs and model metrics, ensuring clarity for both technical and non-technical stakeholders.
- Packaged solutions in Docker for reproducibility and smooth deployment in varied environments.
- Collaborated closely with engineering, design, and business teams to translate requirements into actionable technical features.
- Documented processes and codebase for future maintainers, enabling faster onboarding and knowledge transfer.

**04/ 2022 – 08/ 2022 | Exactag GmbH, Düsseldorf (Germany)**
Working Student-Data Analytics & Test Automation

- Migrated front-end test automation from Cypress to Playwright in a React/Next.js-based analytics platform, improving speed and reliability of regression checks.
- Enhanced data validation workflows and integrated tests into CI/CD pipelines, aligning with Agile development practices.
- Partnered with developers and QA to identify UI/UX issues early, reducing production bugs.
- Participated in sprint planning and code reviews to ensure code quality and maintainability.
- Delivered concise, actionable bug reports to developers, streamlining fixes before release.
- Maintained clear documentation of test cases, enabling faster onboarding of junior team members.

## STRENGTHS

- Attention to Detail
- Proactivity & Ownership
- Problem-Solving
- Team Collaboration
- Clear Technical Communication
- Curiosity & Growth Mindset
- Adaptability & Learning Agility
- Strong Written and Verbal Communication

## TOOLS & UTILITIES

- MS Excel (for exploratory analysis)
- VS Code
- Git/ Github
- Jupyter, Pandas, Scikit-Learn
- Agile/Scrum
- SQL (PostgreSQL, NoSQL)
- Power BI (basic)

## LANGUAGES

English

German (B1)

Hindi

## REFERENCES

**Prof. Dr. Michael Moeller**

Computer Vision Group
University of Siegen

E: michael.moeller@uni-siegen.de

**Dr.-Ing. Stefan Herrmann**

Leiter/Head
Business Unit FOXBYTE- csi Verwaltungs GmbH

E: Stefan.Herrmann@csi-online.de

**My Motto:**
Learn fast. Solve real problems. Keep moving forward.

**07/ 2019 – 09/ 2021 | IQVIA, Kochi (India)**
Software Developer

- Built Python-based anomaly detection tools integrated with backend services and React-based internal dashboards, supporting real-time monitoring in production. Developed and maintained REST API integrations for Salesforce, enabling seamless data access for internal tools.
- Implemented CI/CD workflows via GitHub Actions, ensuring consistent deployment quality.
- Collaborated with cross-functional teams to refine requirements and deliver solutions that met both business and technical needs.
- Optimized code for performance and scalability, reducing processing times by 35% on key workflows..
- Recognized with the IQVIA Silver Award for contributions to COVID-19 vaccine trial analytics.

## ACADEMIC PROJECTS

**02/ 2023 – 07/ 2023 | University of Siegen, Siegen (Germany)**

Machine Learning & Full-Stack Development Project – FARMIT (Master Project)

- Built a React-based frontend connected to a Django REST API for real-time IoT data visualization.
- Integrated LSTM forecasting models and YOLOv5 object detection into a user-friendly interface.
- Designed responsive dashboards for non-technical users, focusing on clarity and accessibility.
- Simulated real-time data streams to test frontend-backend communication under production-like loads.
- Worked in Agile sprints, iterating features based on feedback from team and stakeholders.
- Documented integration workflows to ensure maintainability and easier feature expansion.

**11/ 2023 – 02/ 2024 | Ubiquitous Systems Group, Univ. of Siegen**
**Siegen (Germany)**

Student Research Assistant

- Designed deep learning models (PyTorch, OpenCV) for human-system interaction analysis, optimized for runtime performance.
- Documented data pipelines and preprocessing logic in Git and Jupyter for reproducibility and collaborative development.
- Collaborated with researchers on experiment design, aligning ML goals with data collection strategies in production-like setups.
- Extracted temporal and contextual features to improve model interpretability and robustness under user variability.

## CURRENT LANDSCAPE

- **Learning German (Goethe Institution - Level B1 in Progress):** Building language proficiency to better integrate and communicate within an international environment
- **Advancing Technical Skills in LLM, NLP and Prompt Engineering:** Making a project "Extracting entities from invoices using a fine-tuned BERT model" to learn new age skills.
- Learning Transformers (HuggingFace), Attention Mechanisms, Embedding Models.

Siegen, 13.08.2025

**Note:** *I am eligible to work in Germany, willing to relocate and available to start immediately at your convenience.*