

# ARPITA MISHRA

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## ABOUT ME

I am a software developer with over 3 years of experience in the tech industry, currently pursuing a MSc. in Computer Science with a specialization in UX Design and Implementation. From brainstorming ideas to bringing them to life, I find there's something incredibly satisfying about seeing lines of code turn into user-friendly applications.

## WORK EXPERIENCE

01/06/2023 - CURRENT Ludwigsburg, Germany

**STUDENT FRONTEND DEVELOPER** Robert Bosch GmbH (Bosch Digital)

**Website** <https://www.bosch-digital.com/de/>

- Developed user stories for a **custom back-office application** in React-admin for an e-commerce platform.
- Worked on UI enhancements, to **automate processes** for product owners and client stores.
- Optimized frontend data retrieval by implementing **asynchronous operations**, to improve loading performance.
- Developed component test cases with Vitest, achieving **94% code coverage**.
- Resolved **SonarQube code smells** to improve the code quality.
- Built **reusable UI components** following the DRY principle and maintained clear code documentation.
- Followed best practices through peer reviews, unit testing, and agile methodologies.
- Actively participated in daily stand-ups, sprint planning, and user story demos during sprint reviews.
- Maintaining the **release notes** for customers.

**Skills Used:** JavaScript, React-admin, Vitest, Jira, GitHub, International team collaboration

01/10/2021 - 27/02/2023 Bangalore, India

**APPLICATION SOFTWARE ENGINEER** IBM

**Website** <https://www.ibm.com/in-en>

- Supported POC environment setup by creating new views, applets in **Siebel CRM V22 webtools**.
- Proactively closed the **40 Service Requests/Problem Requests** (bugs, enhancements and features).
- Leading a team of 4 for an urgent requirement from **requirement gathering**, till **code deployment** in production.
- Responsible for **assisting/guiding** junior engineers with solving the L1 tickets.
- Identifying **LRQ** in log files from production environment minimizing query execution time by 90%.
- Participant of **War Room call** to provide functional defect fixes on spot to the end users.
- End to End support from analyzing and debugging until code migration to **UAT** and **Production**.
- Consistent communication with the Product Owner, and other stakeholder for work alignment.

**Skills Used:** Leadership, Stakeholder management, Debugging

01/12/2019 - 30/10/2021 Pune, India

**ASSOCIATE SOFTWARE ENGINEER** Tech Mahindra Pvt Ltd.

**Website** <https://www.techmahindra.com/>

- Supported in product configuration for application **up-gradation** from Siebel IPV 8.1 to Siebel IPV 19.8.
- Fixed major frontend defects post-upgrade enhancements in production.
- Created a custom theme by converting **85 CSS** files to SCSS each to achieve single CSS file for the application.
- Created custom Siebel JavaScript files to render various validations in UI and map them in Application level.
- Used Linux commands to track server component status of various environments.

**Skills used:** CSS/SCSS, JavaScript, Siebel configurations, Requirement understanding, Documentation.

01/04/2019 - 01/12/2019 Bangalore, India

**INTERN SOFTWARE DEVELOPMENT** Retail Insights Pvt Ltd.

**Website** <https://theretailinsights.com/>

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- Maintenance of **Content Management System (CMS)** of an e-commerce website in Magento.
- Data cleanup, mapping and updating **10,000+ records** from CSV files into Magento.
- Updating banners, product images, and gold and diamond prices in the CMS.
- Fixing production defects in server code in PHP.
- Team collaboration, daily-standups and assisting lead developer with their work.

**Skills used:** Php, Corporate work culture, Peer discussions, MS Excel, Magento CMS.

## ● EDUCATION AND TRAINING

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01/04/2023 - CURRENT Heidelberg, Germany

**MSc In APPLIED COMPUTER SCIENCE** SRH University of Applied Sciences

**Website:** [SRH Hochschule Heidelberg | Dein Ziel. Dein Studium.](https://www.srh-hochschule-heidelberg.de/dein-ziel-dein-studium) | **Grade:** 1.4 (ECTS)

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- Specialization in UI/UX modules – Fundamentals, Implementation, Testing, Design Thinking, User Experience.
- International Project Management, Software Development Practices
- Advanced Database, Software Architecture Development
- Advance Computer Science, IT-Security

**Thesis:** Implementation of Large Language Models in Voice User Interfaces for hands-free data entry.

16/09/2015 - 30/03/2019 Bhubaneswar, India

**BACHELOR OF TECHNOLOGY** Biju Pattanaik University

**Website:** <https://outr.ac.in/> | **Grade:** 8.6 (10-point scale)

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- Mathematics, Organization Behavior, Data Structure, C/C++.

## ● PROJECTS

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01/05/2024 - 24/06/2024

**Satellite Tracking and Analysis Platform** - [GitHub Link](#)

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- **Led a team of 5** and developed a Satellite Tracking and Analysis platform.
- Features - visualizing Stark link satellites in real-time, finding the nearest satellites to an astronaut, drift detection of satellites, collision detection, and monitoring asteroid threats to Earth.
- Used **Node JS**, **MongoDB**, **Neo4J** for satellite information storage and ReactJS for visualization.

**Skills used:** Team leadership, Conflict management, Documentation, Backlog management, Trello

01/04/2024 - 15/05/2025

**Sentiment Analysis System** - [GitHub Link](#)

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- Developed a sentiment analysis system to compare Google Cloud's two API services.
- Features - emotion detection from picture and video.
- Created UI mock-ups and wireframes in **Figma** and implemented it in **Next JS**.
- Developed the frontend logic to consume the APIs and expose data in the frontend.
- Documentation to compare the sentiment accuracy, response time by the APIs.

**Skills used** Google Vision API, Google Video Intelligence API, Postman, Next JS, Routing. Teamwork

01/03/2024 - 10/04/2024

**Tourism Application** - [GitHub Link](#)

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- Developed a tourism application using Next.js and Node.js that lists 10 Schengen countries, places of attraction and allowing users to add favorites.
- Created **4 microservices**, API end points for CRUD operations and set up an API Gateway.
- Authentication and Authorization using **JWT token** and **Bcrypt**.
- Containerized individual services in **Docker** deployed in **Kubernetes** cluster.
- Designed API and documentation using **Swagger UI**.

**Skills used:** User stories creation, Microservices architecture, Docker, GitHub Actions