ARPITA MISHRA

Date of birth: 14/04/1998 | **Nationality:** Indian | **Gender:** Female | **Phone number:**

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ABOUT ME

I am a web developer with over three years of experience, currently pursuing a master's in Computer Science with a specialization in UX Design and Implementation. With expertise in various programming languages and frameworks, I put life to design and ideas. My role as a working student at Robert Bosch GmbH has sparked my interest in expanding into product-management to blend my technical expertise with business strategy. I excel in problem-solving, attention to detail, and consistently delivering high-quality results within agile environments.

Originally from India, I am now based in Germany, driven by the belief to "*Stay Hungry. Stay Foolish*" - a quote that continuously inspires me to seek growth and innovation.

EDUCATION AND TRAINING

01/04/2023 - CURRENT Heidelberg, Germany
MSc In APPLIED COMPUTER SCIENCE SRH University of Applied Sciences

- Specialization in Frontend modules – Fundamentals, Implementation, Testing, Design Thinking, User Experience.
- International Project Management, Software Development Practices
- Advanced Database, Software Architecture Development
- Advance Computer Science, IT-Security
- Abschlussnote: 1,4

Website: SRH Hochschule Heidelberg | Dein Ziel. Dein Studium. | **Field:** Applied Computer Science | **Grade**: 1.4 (ECTS)

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

WORK EXPERIENCE

01/06/2023 - CURRENT Ludwigsburg, Germany
STUDENT FRONTEND DEVELOPER ROBERT BOSCH GMBH

- Contributed to 10 sprints, 20 user stories for an internal Back-office application in React-admin.
- Enhanced UI features, reducing manual effort for product owners and clients by 80%.
- Optimized data retrieval in frontend by batching 10,000+ records into 50-record API calls, enhancing performance.
- Achieving 94% code coverage through unit tests in Vitest and improved code quality by resolving SonarQube smells.
- Built reusable UI components following the DRY principle and maintained clear code documentation.
- Ensured 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.

Department Bosch Digital - Customer Touchpoints **Website** https://www.bosch-digital.com/de/

01/10/2021 – 27/02/2023 Bangalore, India
APPLICATION SOFTWARE ENGINEER IBM INDIA

- Designing and implementing major modules for release of a CRM application in Oracle Siebel.
- Creating applets, forms, and validations using JavaScript, HTML and CSS.
- Active participant in the requirement gathering call with customers and business analyst.
- Production support for 4 major releases and provides bug and defect fixes on spot.
- Resolving 40 Jira tickets (bugs, enhancements and features).

- Identifying LRQ in log files from production environment minimizing query execution time by 90%.
- Responsible for assisting beginners in the team.
- Creating user stories in Jira
- Consistent communication with the Product Owner, and other stakeholder for work alignment.

Website https://www.ibm.com/in-en

01/12/2019 - 30/10/2021 Pune, India
JUNIOR SOFTWARE ENGINEER TECH MAHINDRA INDIA

- 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.
- Converted 85 CSS files to SCSS each and compiled them to achieve single CSS file for entire application to enhance application performance on page load.
- 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.
- Taking the ownership of work, involving team for suggestions.

Website https://www.techmahindra.com/

01/04/2019 - 01/12/2019 Bangalore, India
INTERN SOFTWARE DEVELOPMENT RETAIL INSIGHTS - INDIA

- Maintenance of content management system of an e-commerce website in Magento and PhP.
- Mapping and updating 10,000+ records daily 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.

Website https://theretailinsights.com/

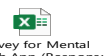## PROJECTS

01/05/2024 – 24/06/2024
Satellite Tracking and Analysis Platform

- Developed a satellite tracking and analysis platform using Node JS for backend React JS for frontend.
- 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.
- API design and testing in Postman.

Link https://github.com/mishrarpita321/SatelliteTracker.git

01/04/2024 – 15/05/2025
Mental Health Application

- Developed a Mental Health Application following software engineering process and design thinking approach.

- Performed user research by survey in Google Form. Responses are Survey for Mental Health App (Responses).
- Created user stories and personas to humanize the findings.
- Identified and involved key stakeholders by understanding their perspectives and goals and defined the POV.
- Translated concepts into wireframes and prototypes in Figma.
- Developed the prototype using React JS following Laws of UX.

Link https://github.com/mishrarpita321/MentalHealthApp.git

01/03/2024 – 10/04/2024
Tourism Application

- 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 services, API end points for CRUD operations and set up an API Gateway.
- Authentication and Authorization using JWT token and Bcrypt.
- Containerized services deployed in Kubernetes cluster.
- API documentation using Swagger UI.

Link https://github.com/mishrarpita321/TourismAppSAD.git