

# SUBHRADIP DEBRAY

WEB DEVELOPER | AI/ML ENGINEER | UI/UX ENGINEER

Kerchowmuhani - Ramnagar, Agartala, Tripura

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## SUMMARY

BTech CSE (AI/ML) student with hands-on experience in web engineering, AI integration, and UI/UX design. Built and deployed real-world apps using React, Next.js, Firebase, Python, and TensorFlow. Skilled in tools like Figma, LangFlow, and more. Completed multiple internships and certified in ServiceNow, Cisco, Forage, and NPTEL. Passionate about building intelligent, user-focused web and AI solutions.

## EDUCATION

**Amity University, Noida**

**Aug 2022 - Aug 2026**

Bachelor of Technology (BTech) in Computer Science

- Relevant Coursework: Data Structures Python , CPP , Java , Compiler Construction , Software Engineering , Database Management , Networking , Operating System , Digital Electronics Engg. , Basic Simulation
- Domain Electives : Generative AI , Cisco CCNAV7 ITN , Data Mining .

**Amity University, Noida**

**Dec 2023 - Jan 2026**

Bachelor of Technology (BTech) in Computer Science (Hons. Specialization in AI & ML)

- Relevant Coursework: Intro to AI & ML , Data Analytics , Deep Learning , Neural Network
- Applied & Advances in AI

**Sri Sri Ravishankar Vidyamandir , Agartala**

**May 2020 - Jul 2022**

- Higher Secondary (12th Science - PCMB) | 88%

**Mar 2018 - Jun 2020**

- Secondary Level (10th CBSE) | 85.2%

## PROFESSIONAL EXPERIENCE

**Frontend & UI/UX Design Intern , Remote**

**Winniio Aktiebolag(AB) , Gothenburg , Sweden**

**May 2025 – Ongoing**

- Led restructuring and redesign of the LifeAtlas online health portal.
- Redesigned key webpages using Figma and translated designs into frontend code.
- Collaborated with global team via Slack; followed structured Git workflows.
- Built reusable components using Storybook; organized and managed Figma files.
- Managed GitHub pull requests and contributed to the CI/CD deployment process.

**ServiceNow Certification Program (Industry Training)**

**ServiceNow Training , Bangalore , Remote**

**June 2025 – July 2025**

- Enrolled in official ServiceNow CSA training.
- Learning platform configuration, incident management, and reporting.
- CSA exam with hands-on labs and guided sessions.

**React.js Intern – LMS-Based Industry Program**

**Celebal Technologies, Rajasthan , Remote**

**May 2025 – July 2025**

- Completed module-based training in web development and UI/UX via the company's LMS.
- Submitted tasks and mini-projects simulating real-world workflows.
- Gained hands-on experience with version control, deployment, and modular design.
- Progress monitored through LMS dashboards with defined weekly milestones.

**Unified Mentor, Gurugram, Haryana**

**Web Development Intern , Remote**

**Jan 2025 – Mar 2025**

- Developed responsive web applications using Next.js, React, TypeScript, and Firebase, ensuring seamless user authentication and real-time data updates.
- Collaborate with teams to implement modern UI/UX designs using Tailwind CSS and shadcn/ui.

**Machine Learning Intern , Remote**

**Nov 2024 – Dec 2024**

- Trained and evaluated ML models for performance metrics such as accuracy , AUC-ROC , MSE , R2
- Integrated AI components into practical projects, focusing on real-world applicability.
- Developed prediction-based applications using regression, classification, and deep learning methods

## PROJECTS AND PAPERS

### Explainable AI for Disaster Image Classification

(Python, TensorFlow, XAI, Pretrained CNNs)

- Trained a CNN using disaster datasets (Disaster Image Classification & MEDIC) and integrated XAI visualizations for model interpretability.

### OculusNet: LLM-Powered Network Threat

#### Detection System

(Python, Wireshark, LM Studio, Local LLMs, Flask)

- Built a security platform that detects live threats from PCAP/network data using local LLMs like Gemma/Qwen 4B/1B models .

### UrbanNest: Real Estate WebApp

(Next.js, Firebase, Leaflet.js, Tailwind CSS)

- Led end-to-end development of a real estate platform featuring property listings, interactive maps, role-based

### Mall Management WebApp

(React, Next.js, Firebase, TypeScript)

- Automated mall operations , centralized shop,event, and parking management .
- Integrated customer portals for bookings and lost-and-found services.

### Advanced Image Analyzer & AI Chat Interface

(Python, Flask, Gemini API, HTML/CSS/JS)

- Developed a local AI-powered tool with a browser-based interface for detailed image analysis.
- Supports chat-based interaction with the AI, mood detection, safety assessment, keyword extraction, and music recommendations

### NutrimeAI: AI-Powered Nutrition & Meal Planning App

(React Native, TypeScript, Firebase, AI APIs)

- Designed a full-featured mobile app for AI-based meal planning, nutrition tracking, and recipe generation.
- Features include food logging, fridge-based suggestions, symptom trackers, and social integrations.

### Hospital Management WebApp

(React, Next.js, Firebase, Tailwind CSS)

- Designed a role-based system for users, streamlining appointment scheduling, medical records, and billing.

### Weather Image Classification Using Deep Learning

(Python, TensorFlow, EfficientNet, OpenCV)

- Trained a CNN model to classify weather images with 92% accuracy, leveraging data augmentation and transfer learning.

## TECHNICAL SKILLS

**Programming:** Python, Java, C/C++, MATLAB,

JavaScript, TypeScript, PHP, SQL ,

**Machine Learning | AI:** TensorFlow, Keras, Scikit-learn, DL Data Preprocessing, Gen AI , LLM .

**Web Dev:** React, Next.js, Firebase, Flask, Django, HTML, CSS, Tailwind CSS, jQuery , API, Storybook

**Analytical Skills:** Data Analysis & Visualization, Process Optimization, Cost-Benefit Analysis

**Mobile Development:** Flutter, Kotlin, Gradle, Jetpack, Material Design, Firebase, Firestore

**Data Science & Analytics:** Pandas, NumPy, Data Cleaning, Data Modeling, Tableau, Power BI, SQL

**Software Engineering:** Agile Development, Git, GitHub,MySQL, Version Control, OOP, Refactoring,

## ADDITIONAL INFORMATION

**Languages:** English , Bengali, Hindi , French (slightly).

**Tools:** Figma, Git, GitHub, GitLab, VS Code, Android Studio, Firebase, Postman, Docker, Netlify, Vercel, Render, Node.js, Yarn, NPM, LangFlow, n8n, Google Colab, Kaggle, Jupyter, Hugging Face, TensorBoard, LM Studio, Canva, Storybook, ShadCN/UI

**Excellent in** – Figma , N8n , Langflow

### Hackathons:

- Participated in AICRAFT 2.0
- Participated in SBMT Neurotech

## CERTIFICATIONS

Accenture North America Coding Simulation

Forage – Completed on Dec 2024

CCNAv7: Introduction to Networks

Cisco Networking Academy – Completed on Feb 6, 2025

Python for Data Science

NPTEL (IIT Madras) – Completed on Feb 2024

The Joy of Computing Using Python

NPTEL (IIT Madras) – Completed on Oct 2024

Azure Learn Challenge: Build AI Apps

Microsoft – Completed on Jan 17, 2025

Deploy Cloud-Native Apps with Azure Container Apps

Microsoft – Completed on Oct 20, 2024

Stream IoT Data with IoT Central

Microsoft – Completed on Oct 23, 2024

AI Copilot with Azure Cosmos DB & OpenAI

Microsoft – Completed on Nov 21, 2024

Develop Solutions with Azure AI Document Intelligence

Microsoft – Completed on May 9, 2025

ServiceNow Admin Fundamentals (On-Demand)

ServiceNow/Xanadu – Completed on Jun 8, 2025

AWS Certified Developer Associate – Hands-On

Udemy – Completed on Mar 24, 2025

AWS Certified Solutions Architect Associate

Udemy – Completed on May 16, 2025