

SOURAV DAS

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EDUCATION

Northeastern University, Boston, Massachusetts

Jan 2025 - Present

Candidate for a Master of Science in Computer Science (GPA: 3.58)

Expected Graduation: May 2027

Coursework: Data Structures and Algorithms, Programming Design Paradigm, Machine Learning

Biju Patnaik University of Technology, Bhubaneswar, India

Apr 2016 - Jun 2020

Bachelor of Technology in Civil Engineering

TECHNICAL KNOWLEDGE

ML/Deep Learning:	PyTorch, NumPy, SciPy, scikit-learn, XGBoost, Regression/Tree-based models, loss functions
Languages:	Python, SAP ABAP, Java, C#, C++, SQL
Backend/Databases:	ASP.NET, REST APIs, SAP HANA, MongoDB, PostgreSQL
Web Technologies:	HTML, CSS, JavaScript, TypeScript, Django, React.js, Express.js, Node.js
Tools and Platforms:	ServiceNow, JUnit 5, QUnit, Git, CI/CD, Postman, Microsoft Azure, Docker, Kubernetes (AKS), AWS
Certifications:	Google Cloud Certified Professional Cloud Architect (ID: 100076) Google Cloud Certified Associate Cloud Engineer (ID: 139218)

WORK EXPERIENCE

Accenture, Kolkata, India

May 2021 - Dec 2024

Application Development Analyst

- **Engineered** an ETL data migration pipeline transferring **2 million records** from **SAP ECC** to **S/4HANA** via standard **BAPIs**, achieving 100% data accuracy through rigorous schema mapping and validation.
- **Resolved** a high-priority workflow issue by collaborating with stakeholders to define user requirements and deploying a function module that restored more than **500 daily automated** correspondences, effectively reducing communication downtime by 40%.
- **Triaged** an average of **180 client-raised** SAP IS-U incidents monthly via **ServiceNow**, maintaining **98% SLA** compliance and reducing average ticket resolution time by **15%**.
- **Developed** an automated SAP Metering batch job using customer exits and XML to transmit meter details for site activations, improving turnaround from **10.4 to 6.0 hours**, cutting manual effort by **36%** (approximately 58 hours/month), and raising first-pass completeness to **99.2%** with schema validation and automatic retries.
- **Integrated** Fiori UI with backend services via **OData (SAP Gateway)**, applied best practices to reduce unnecessary round-trips, improving key user-flow page load time by **20%** and enhancing system reliability, and implemented QUnit automated tests to reduce regressions during releases.

Wefivesoft, Bengaluru, India

Mar 2021 - May 2021

Software Engineer Trainee

- **Implemented** RESTful APIs and transaction management protocols in **C#** using **ASP.NET**, enabling seamless data exchange and ensuring data integrity across frontend and backend systems for the LMS platform '**MARKERS PRO**'.
- **Optimized** API performance by **40%** through asynchronous programming in **C# (async/await)** and implemented data validation protocols, improving system reliability and consistency at scale.

PROJECTS

LostNFound | Full-Stack campus lost and found platform | GitHub: https://github.com/Sourav-02121996/Project_3_LostNFound

- Built a MERN full-stack web app 'LostNFound' enabling users to post and search lost/found items with images and metadata, secured with JWT authentication and profile dashboards.

Skills: HTML5, CSS, Bootstrap, JavaScript, ESLint, ES6 Modules, Express.js, React.js, Vite, Multer, bcrypt, REST APIs

Tonotopic ECoG Audio Decoder | GitHub: <https://github.com/Sourav-02121996/Brainstorm-BCI-Track1>

- Built a neural decoding data pipeline in collaboration with a team at the BCI Hackathon 2026, implementing automation for feature extraction, signal processing algorithms, and model training/evaluation on curated ECoG datasets using deep learning with PyTorch.

Skills: Python, PyTorch, Deep Learning, Model Training, Signal Processing, Dataset Curation, Machine Learning, Algorithms, Git

Sport Celebrity Image Classification | GitHub: https://github.com/Sourav-02121996/Sport_Celebrity_Image_Classification

- Built a computer vision pipeline performing image processing with OpenCV (Haar Cascade detection, wavelet transforms), training a scikit-learn model on a curated dataset achieving 85%+ accuracy; developed a Flask web application serving predictions via REST API, deployed for production inference.

Skills: Python, scikit-learn, OpenCV, Computer Vision, Image Processing, Machine Learning, Model Training, Dataset Curation, Flask