Amit Kumar Samal

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EDUCATION

Centurion University of Technology and Management — Jatni, Bhubaneswar
Master of Computer Applications (MCA) (Continue) — *Aug 2023 – May 2025*

Utkal University — Bhubaneswar
Bachelor of Science (BSc) in Computer Application - 8.61 CGPA — *Sept 2020 – June 2023*

EXPERIENCE

Web Development : Corizo — 5th May 2024 – 5th June 2024 / Remote
- Gained hands-on experience in web development, building and optimizing web applications
- Worked on real-world projects, enhancing skills in front-end/back-end development, coding, and debugging.
- Gained exposure to industry tools and technologies used in modern web development

Machine Learning : CodSoft — 15th June 2024 – 15 July 2024 / Remote
- Actively participated in real-world ML projects, focusing on developing new skills and applying theoretical knowledge.
- Worked on tasks such as *data analysis, model training, and evaluation
- Gained practical knowledge in *machine learning algorithms* and their applications in solving business challenges.

PROJECTS

FOOD ORDERING SYSTEM / *Link*

- **Developed an Online Food Ordering System on Full-Stack Web Development** – Designed and implemented a fully functional online platform allowing users to browse restaurants, place orders, and manage account activities. The system supports user login, registration, and order tracking, utilizing **PHP** and **MySQL** for backend functionality.
- **Frontend Technologies** – Utilized **Bootstrap, CSS**, and **JavaScript** to create responsive, mobile-friendly interfaces. Applied Font Awesome and Animate.css to enhance UI/UX elements, ensuring a modern and visually appealing design.
- **Backend Development** – Implemented server-side functionalities using **PHP**, managing user sessions, order processing, and database interactions. Created secure login/logout mechanisms and dynamic content display based on user sessions.
- **Database Management** – Designed and managed databases using **MySQL**, handling customer information, order histories, and restaurant data. Optimized queries for faster response times and seamless user experience.

CODSOFT INTERNSHIP PROJECTS / *Link*

- **Credit Card Fraud Detection :** Developed a machine learning model to identify fraudulent transactions using algorithms such as **Logistic Regression**, **Decision Trees**, and **Random Forests.** Processed large datasets of credit card transactions to improve fraud detection accuracy.Demonstrated proficiency in data preprocessing, **feature engineering**, and **model evaluation**.
- **Movie Genre Classification :** Built a machine learning model that predicts movie genres based on textual descriptions (e.g., plot summaries) using techniques like **TF-IDF** and **word embeddings**. Implemented classifiers such as **Naive Bayes, Logistic Regression,** and **Support Vector Machines** to improve model performance.
- **Spam SMS Detection :** Created a model to classify SMS messages as spam or legitimate. Utilized text mining techniques like TF-IDF and word embeddings with **Naive Bayes** and **Support Vector Machines**. Improved model accuracy through iterative tuning of hyperparameters and evaluating performance using **confusion matrices** and **ROC curves**.

TECHNICAL SKILLS

Languages: JavaScript, Java, SQL, HTML/CSS, C, C++, PHP, PYTHON,
Frameworks: Scikit-learn,
Developer Tools: Git, Workbench, Anaconda, Jupyter, Flask,
Technologies: Data Preprocessing, EDA, Web Scraping, Machine Learning, Model Building, Scikit-Learn, Numpy, Pandas, Matplotlib, Seaborn, Hyperparameter Tuning
Coursework:: Data structure and Algorithms, Operating System, DBMS, Computer Networks, System Architecture, , Cloud Computing

ACHIEVEMENTS AND LEADERSHIP SKILLS

- Microsoft certified
- Managed many groups
- Strong Communication skills and Understanding