

ALEKHA KUMAR SWAIN

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OBJECTIVES

Passionate Full Stack Developer. Proven experience in building robust, scalable web applications and APIs, with a focus on performance, security, and user experience. Hands-on expertise in Google Cloud and cloud infrastructure. Currently focusing on integrating AI into the healthcare ecosystem to create high-efficiency, low-cost solutions. Passionate about driving technological innovation, with a long-term goal to revolutionize AI in healthcare.

EDUCATION

- Bachelor of Technology in Computer Science** (CGPA – 7.81 | 2021-2025)
College Of Engineering Bhubaneswar Bhubaneswar, Odisha
- Higher Secondary Education** (Final Score-66.6% | 2018- 2020)
Saraswati gyana mandir H S school, Niladrivihar Bhubaneswar, Odisha

SKILLS

Programming Languages: C, Java, PHP, Dart, JavaScript
Frontend Development: HTML, CSS, Bootstrap, Sass, React, Tailwind CSS
Backend & Frameworks: Node.js, Express.js, PHP
Databases: MongoDB, MySQL
Deployment: Netlify, Render, Firebase
Cloud Technologies: Google Cloud Platform (GCP)
APIs & Other Tech Tools: Postman, JSON, AJAX, Git

EXPERIENCE AND ACHIVMENTS

🏆 Google Arcade Advance Milestone Winner - Dec 2024

Demonstrated advanced **cloud computing** and problem-solving skills, achieving significant milestones in the Google Arcade competition. Addressed complex coding challenges related to **cloud infrastructure and development** best practices.

🏆 Google Arcade Standard Milestone Winner - July 2024

Demonstrated advanced cloud computing and **problem-solving skills**, achieving significant milestones in the Google Arcade competition. Addressed complex coding challenges related to cloud infrastructure and development best practices.

🏆 Accenture Nordics Software Engineering Simulation - August 2024

Completed a **software engineering** simulation with Accenture Nordics, where I designed **system architecture** changes, conducted **security** assessments, and **debugged** code. Applied **Agile methodologies** and performed **unit testing** to ensure robust and secure solutions.

🏆 Cognizant Artificial Intelligence Job Simulation on Forage - October 2024

Completed an **AI-focused** job simulation with Cognizant, where I performed exploratory **data analysis** and **built a Python module to train machine learning models** and **generate performance metrics**. Presented findings to the **business team using PowerPoint**.

🏆 AWS APAC Solutions Architecture Virtual Experience Program on Forage - November 2024

Completed a **virtual job simulation** with **AWS**, where I designed a **scalable hosting architecture** using Elastic Beanstalk for a client facing **rapid growth** and slow response times. Explained the architecture and **cost structure** in clear terms to ensure **client understanding**.

🏆 Salesforce Agentforce Developmente - December 2024

Completed the **Built With Agentforce Quest** on **Salesforce**, where I successfully **configured** and **enabled agents**, **developed custom actions**, implemented **security measures**, and **personalized agent recommendations** for enhanced **user interactions**. Received recognition for contributions to intelligent automation solutions.

PROJECTS

Suprabhat

Dec 2022 – Jan 2023

Technologies: React.js, Android (Java), Mobile App Development, PWA web app.

Created a **mobile and web application** for **daily news**, achieving **95% user retention** through a seamless UI/UX built with React.js and Java for Android.

Bunny Talk

June 2023 – Aug 2023

Technologies: HTML, NoSQL, Responsive Web App, CSS, Bootstrap, JSON, Firebase.

Developed a **real-time chatting** web application using HTML, CSS, JavaScript, jQuery, Firebase, and API. Integrated RESTful APIs for user authentication.

Posh Palette

Aug 2023 – Sep 2023

Technologies: PHP, AJAX, JavaScript, CSS, Bootstrap, MySQL with the help of XAMPP Web Server.

Created a **shopping** website for female products with comprehensive frontend and backend development. Integrated RESTful APIs for product listing, **inventory management**, and **order processing**. Utilized Postman for API testing and validation, ensuring smooth integration.

Diagnostic Web App

Aug 2023 – Sep 2023

Technologies: Web Applications, AJAX, JavaScript, PHP, MySQL with the help of XAMPP Web Server.

Designed and developed both frontend and backend for a **blood testing agency** startup using PHP, AJAX, and other technologies. Integrated custom APIs for data retrieval and manipulation, enabling functionality such as **appointment scheduling**, **test result viewing**, and **patient record management**.

Cafe Management System

May 2024

Technologies: Java, SQL, UI/UX Design, Authentication Systems with the help of NetBean IDE.

Developed a management system to streamline operations for a **cafe**, resulting in a 20% reduction in order processing time. Integrated secure **admin login for managing menus and billing**.

Emergency Health Response Support System (EHRSS)

Dec 2024

Technologies: React.js, Node.js, Express.js, PWA web app.

Developed a comprehensive platform integrating AI-driven emergency response, blood donation services and online doctor consultations. Secured **7th position** among **153 projects** at the **BPUT Project Exhibition 2024** for Innovation of sustainable growth and real-world impact in healthcare.

CERTIFICATION

- **POSTMAN API Fundamentals Student Expert Certification**
- **Google Cloud Computing Foundations Certificate**
- **Microsoft Azure Fundamentals Certification**
- **Artificial Intelligence Certification – Reliance Foundation Skilling Academy**
- **Fundamental AI Concepts – Microsoft Learn**
- **Fundamentals of Machine Learning – Microsoft Learn**
- **AI Essentials – Udemy**
- **Web Design & Development – Skill India Digital Hub**
- **The Complete MySQL Bootcamp – Udemy**
- **Let's Upgrade Certifications (HTML, CSS, JavaScript, React, Node.js, and MySQL)**
- **Google Play Academy - Store Listing Certificate**