Pallab Paul

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👤 Profile

Detail-oriented and innovative software developer with a proven track record in problem-solving and proficiency across multiple technologies and programming languages. Seeking challenging opportunities in digital architecture and engineering to contribute towards building outstanding digital products and services.

🎓 Education

08 / 2021 – 07 / 2024   MELBOURNE, AUSTRALIA
Bachelor of Computer Science
Swinburne University of Technology
- Major in Software Development
- Minor in Finance
- Modules: Object-oriented programming, Data Structures, Mobile Development, Cloud Computing, Artificial Intelligence, Internet Of Things, IT Project Management, User-Centric Designs and Database Management

⭐ Strengths

Strong work ethics	Teamwork
Communication	Adaptability
Problem-Solving	Analytical · Quick Learner

👥 Technical Skills

— **Programming Languages**
Java, C#, C++, Python, Ruby, PHP
AWS Cloud

— **Databases**
MySQL, MongoDB, Firebase, DynamoDB, MariaDB

— **Software Development**
ReactJS, Vue.js, Flutter, Android Studios, Node.js

— **DevOps**
Cloud Computing, Git

☑ Certificates

06 / 2021
Web Development
Udemy
https://www.udemy.com/certificate/UC-8196101e-1c41-4678-84f2-8845c27833b2/
Certified in Web Development through Udemy, showcasing expertise in coding languages and web design techniques. Acquired skills in creating responsive web applications using JavaScript, HTML, React, Express, and Node.js. Demonstrated prowess through impressive demo projects, including blog posts, database visualization, to-do lists, and a sophisticated notes' application.

12 / 2021
Digital Industry Projects
Practera
Involved in creating a Business Research Project for Hearoes. Conducted Market Analysis and legal insights for company expansion.

💼 Work experience

12 / 2021 – 12 / 2022   MELBOURNE, AUSTRALIA
Application Support
Swinburne Leadership Hub
● Provided end-user support for the club's web platform, assisting members and stakeholders with access, usability, and functionality issues.
● Analyzed user pain points and optimized website performance by 20%, by utilizing techniques such as code optimization and image compression
● Collaborated with users to gather feedback and implement new features using Next.js and Tailwind.
● Ensured smooth deployment and updates using Git for version control and agile methodologies to meet user needs and timelines.

11 / 2021 – 12 / 2021   GHAZIABAD, INDIA
IT Support
Carikture
● Assisted in setting up workstations, user accounts, and development tools for clients.
● Communicate technical concepts and proposals clearly and understandably to non-technical clients. Assist in troubleshooting of hardware, software and connectivity issues
● Strong communication and interpersonal skills to effectively engage and collaborate with clients. Ability to understand and interpret client problems, translating them into actionable solutions.

💼 Work experience

08/2021 – 11/2021   HYDERABAD, INDIA
React Js Intern
Tidbeat
● Implement responsive design principles using React JS and Sass to ensure seamless user experiences across devices and screens.
● Enhance the overall performance and efficiency of the web application by 40% through code refactoring and optimization techniques.
● Implement robust user authentication mechanisms using Auth0 to secure the web application and protect user data.
● Excellent collaboration and communication skills to work effectively with cross–functional teams.

09/2022 – PRESENT   MELBOURNE, AUSTRALIA
Supervisor
Crown
● Lead a team of 10–15 to deliver outstanding guest service by anticipating and meeting needs.
● Ensure seamless communication between the front of house and back of house to effectively manage workloads, facilitating the timely preparation of rooms for a smooth and efficient guest check-in experience.

03/2022 – PRESENT   MELBOURNE, AUSTRALIA
Cashier / food server
Sidekicker
● Delivered prompt, courteous service, accurately took orders, operated cash registers, and processed transactions.

08/2022 – 09/2022   MELBOURNE, AUSTRALIA
Customer Service Representative
Coles
● Delivered friendly, efficient customer service, resolved inquiries, and ensured satisfaction. Maintained store cleanliness and product availability.

⭐ Projects

LIDA — *Mobile Application for Composting Prototype*
● Collaborated with a startup partner to integrate LIDA composting prototype with a mobile app, enabling remote control of composting conditions.
● Enhanced organic waste decomposition by dynamically adjusting carbon–nitrogen levels, reducing composting time to 60 days.
● Implemented automation, allowing autonomous adjustment of composting conditions based on sensor data.
● Technologies: Flutter, AWS Cloud, AWS IOT

Foodify — *Mobile App Solution for Reducing Food Waste and Alleviating Hunger*
● Utilized mobile devices to connect food donors with those in need, reducing food waste and addressing hunger in communities.

⭐ Projects

● Implemented authenticated user functionality for secure post creation, improving data integrity and app performance by 30%.
● Explored Google Maps API integration to enhance user experience with visual markers indicating food distribution points.
● Technologies: Android Studios, Kotlin, Firebase, Google Maps API

SchoolAR — *Augmented Reality Based Distance Learning Platform*
● Leveraged echoAR to integrate augmented objects, enabling students to engage with virtual elements and perform experiments remotely.
● Facilitated distance learning for 800+ students during Covid–19 lockdown, including underprivileged children.
● Implemented cutting–edge facial recognition using TensorFlow and Keras to ensure class security.
● Technologies: Unity, EchoAR, C#, Google Maps API

SecurePark — *Website for finding parking spots*
● Integrated IoT sensors for real–time parking occupancy data, enhancing user access to accurate spot availability.
● Developed secure communication protocols to safeguard parking data integrity between IoT devices and website backend.
● Expanded infrastructure to include smoke detectors for vehicle safety, enabling prompt reporting to authorities in case of harmful smoke detection.
● Technologies: Arduino, Python, MySQL, MQTT communications

🌐 Languages

English	**Professional**
Hindi	**Professional**
Bengali	**Native**