

Akash Bagchi

PRODUCT DEVELOPMENT ENGINEER

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Profile

Front-End focused Full-Stack Developer with **1.5 years of experience** in varied tech stacks, development of Enterprise software & production projects, and **User Experience Design**.

Experience

Lakeel Inc | Product Development Engineer | Tokyo, Japan **Dec 2023 - present**

- **Core Developer** - LaKeel Visual Mosaic (low-code enterprise development platform)
 - Engineered several **feature expansions**
 - Developed **reusable UI Components** reducing development time by **20%**
 - Achieved **100% resolution rate** for maintenance tasks and critical bug-fixes
 - Architected **RESTful APIs** and application interfaces integrating LaKeel's **AI Console** and **AI Chatbot** services
- **Core UI/UX Engineer** - UX Task Team
 - Pioneered LaKeel's first design system, standardizing UI Development across products
 - Established UI guidelines and self-review procedures resulting in **30% faster development cycles**
 - **Led design reviews** optimizing user workflows for 5+ enterprise applications
- **Developer and maintainer** - Employee leave management chatbot API
 - Mitigated internal miscommunication overhead regarding leaves by **75%**

Carl Zeiss India | SAP SD Intern | Bangalore, India **Jan 2023 - Jun 2023**

- Gained comprehensive understanding of enterprise sales and distribution through hands-on experience with SAP modules at a global industry leader
- Analyzed business requirements and workflows across multiple departments to understand software customization needs
- Participated in system configuration discussions, developing insight into adapting enterprise software to complex business rules and processes.

Elxtrabit | UEX Intern | Bangalore, India **Jan 2022 - Jun 2022**

- Engineered a QML parser in Python, reducing static analysis processing time by **50%**
- Collaborated with automotive software engineers in an Agile environment

Skills

- **Programming Languages:** Typescript, Javascript, Python, C, C#, Swift, PHP, Java, Go
- **Frameworks:** Vue, React, Next.js, Flask, Bootstrap, Element-Plus, Nuxt, Tailwind, Tensorflow
- **Database:** SQL, MongoDB, Postgres, SQLite
- **Others:** CLI, Vim, Git, Github & Gitlab, Linux, macOS, Postman, Docker, Figma, and more

Education

Dayananda Sagar University | B.Tech Computer Science & Engineering

2023

- **Cumulative GPA: 8.73** (on a 10-point scale)

Projects

- **Digital Garden / Blog Website**

- Skills: **Quartz, Typescript, SASS, Obsidian**
- Blazing fast personal + professional blog and knowledge repository site based on the Zettelkasten Method

- **Portfolio Website Using Foundational Technologies**

- Skills: **HTML, CSS, JavaScript**
- Modern & Responsive Portfolio website made without the help of frameworks, leveraging the power of base HTML, CSS and JavaScript

- **Student Resources Web Portal**

- Skills: **HTML&CSS, Bootstrap, PHP, SQL, jQuery**
- Dynamic website containing student-curated resources such as study materials and circulars.

- **Accessible Video Game for Children with Autism Spectrum Disorders**

- Skills: **C#, Unity3D, UX Research & Design, Ableton Live**
- Developed a Unity3D video game aimed at providing an enriching and educational experience to children with Autism Spectrum Disorders.

- **Mental Health Assistance Chatbot**

- Skills: **NLTK, Tensorflow, tfLearn, Python, Flask**
- Implemented a chatbot using Machine Learning, achieving a **~80% response accuracy**.

- **CoffeeHouse UX Design Project**

- Skills: **Figma, UX Research & Design**
- UX Design Project, involving User Experience Research, Ideation, Wireframing, Prototyping, and Interaction Design

Publications

- **Building Accessible Video Games for Children with an Autism Spectrum Disorder**

- Presented at the 2023 Fifth International Conference on Electrical, Computer, and Communication Technologies (ICECCT 2023)
- Published an IEEEExplore as a **SCOPUS-indexed paper**.

Certifications

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- **Meta iOS Developer Specialization - Meta** (in progress multi-course certificate)
 - **User Experience Design Specialization - Google**
 - **Full-Stack Development - Unschool**
 - **Introduction to Modern App Development - IIT Madras, NPTEL**
 - **JLPT N3 Certification** (Japanese Language Proficiency Test)