

# Ali Haider Khan

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## EXPERIENCE

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### • Pibit.ai

SDE-2

Bangalore, KA

June 2023 – Present

- **Led team** in developing annotation and document automation tool, optimizing workflows and ensuring accuracy using React, **reducing** operation's time **from 12 to 1 hour**.
- Integrated AI models for **computer vision, NLP, & OCR**, boosting automation and increasing accuracy from **71% to 99%**.
- Managed **AWS** architecture deployment using **EC2, AWS CodePipeline & CodeBuild**, ensuring seamless deployment and scalability.
- Worked with **FastAPI/Python** based **microservices** to create independent services that can be individually managed and scaled using **AWS Lambda**.
- Transformed **Figma** designs into a pixel-perfect company website leveraging the **Next.js** framework

### • Miho Innovations Pvt. Ltd.

SDE-1

Ahmedabad, GJ

July 2022 – June 2023

- Spearheaded **React.js** implementation to create tutor & student side edtech portals.
- Engineered scalable **REST APIs** using **ExpressJS**, employing optimized routing and middleware strategies, which led to a remarkable **30% enhancement** in server response times.
- Developed **live-chat microservice** with **WebSockets/TCP** to handle 1000+ users.
- Engineered **SQL database** schema, to build community feature from ground up.
- Integrated microservices and third-party apps like **Google SSO, Zapier, AppSumo**, etc.
- Launched a **user-pay service** with a **99% success rate** utilising **Chargebee** and **Razorpay** to boost revenue streams by 20% and facilitate transactions between instructor and student portals.

### • Bloggers Mind Pvt. Ltd.

SDE-1

Delhi, IN

Jan 2021 – July 2022

- Led digital product development for brands like **Vivo, PepsiCo India, Sopra Steria, Saffola, Bajaj** increasing client retention by 20%.
- Enhanced user interfaces with JavaScript/TypeScript and React, driving a 30% increase in engagement by creating landing pages & campaign pages.
- Implemented **infrastructure scaling** and **load balancing** strategies to accommodate increased traffic demands, including **auto-scaling configurations** to scale systems for a 50% traffic surge.

## SKILLS SUMMARY

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- **Languages:** JavaScript/TypeScript, Python, C++, Dart, SQL, CSS, HTML
- **Frameworks and Tools:** Next.js, React (with TypeScript and JavaScript), FastAPI, Express.js, Flutter, Docker, Git, Websockets, Figma
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis, SQLite, Firebase (Firestore)
- **Cloud Platforms:** AWS.

## PROJECTS

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- **Doodle lab** Javascript, Python, S3, Cloudfront  
*GitHub* *Live*
  - Developed an interactive tool that classifies doodles using a **Convolutional Neural Network (CNN)** built with **Python & Keras**.
  - Deployed the model on **AWS S3** and served it through **CloudFront** for fast, scalable, and secure content delivery with no server setup required.
  - Integrated **TensorFlow.js** for client-side inference, allowing the model to be accessed and run directly in the browser using **JavaScript**.
  - Ensured seamless performance by optimizing the front-end with lightweight, serverless architecture for real-time classification of user-generated doodles.
- **AI-powered entertainment recommendation** Next.js, OpenAI API, Vercel, CI/CD  
*GitHub* *Live*
  - Developed a full-stack web application using **Next.js** to provide recommendations for shows, films, and books.
  - Integrated **OpenAI API** in JavaScript for generating AI-powered recommendations.
  - Set up **CI/CD pipelines** for automated testing, building, and deployment, ensuring continuous integration and delivery.
  - Deployed the application seamlessly with Vercel, enabling efficient and scalable hosting.
- **ArSky** Node.js, TypeScript, npm  
*GitHub* *npmjs*
  - Developed an **open-source Node.js CLI tool** for generating or fetching ASCII art using typescript.
  - Implemented functionality to retrieve ASCII art from ASCII archives or Google Image Search based on user input using **web-scraping**.
  - Added features to create custom ASCII art from an image file, providing flexibility for users.
  - Published the tool on **npmjs** for easy installation and access by the **OS developer community**.

## EDUCATION

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- **GGSIPU** Delhi, IN  
*B.Tech. in Mechanical & Automation Engineering, First Class* *Aug 2014 – Jul 2018*

## ACHIEVEMENTS AND OTHER NOTABLE INVOLVEMENTS

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- **Sports:** Archery team captain- University, Bronze medal at Delhi Inter-State Tournament