# Saad Inam

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## EDUCATION

**Institute of Business Administration (IBA) Karachi** *Aug 2023 – Jun 2027*

*BS Computer Science | CGPA: 3.45 | Dean's List – 3 consecutive semesters*

**Nixor College** *Aug 2021 – Jun 2023*

*A Levels | 3As, 1B | Pursuit of Excellence Award, Dean's List, 18% Academic Scholarship*

## PROJECTS

**Shipment Management B2B SaaS Platform | Live in UAE & KSA**

*Next.js 16, React 19, Supabase, Prisma 7, PostgreSQL*

- Replaced manual iMile booking and spreadsheet invoicing for ~50 shippers, scaling to daily peak volumes of 2,000 and 3,000 shipments per market.
- Automated cost-plus billing engine, PDF invoice generation, and COD settlement tracking, removing manual invoicing entirely.
- Created bulk upload supporting 500 shipments/batch, webhook status tracking, and waybill printing.

**WePay – Expense Sharing Application | GitHub**

*PostgreSQL, Node.js, Express, React Native, Expo | Database Systems Project*

- Designed an 8-entity schema and wrote all DDL statements, implementing 16 stored procedures to automate balance updates and settlements.

**Pacman AI | GitHub**

*Python*

- Built autonomous Pacman controllers using PSO and Evolutionary Algorithms, outperforming rule-based baselines by applying population-based optimization in decision-making.

## WORK EXPERIENCE

**Providus Technologies – Associate Product Engineer** *Jun 2026 – Oct 2026*

- Built ReconAI in Next.js, feeding DocAI-parsed POs and invoices to an LLM that flags discrepancies with evidence and drafts supplier emails.
- Added end-to-end tests for DocAI's MCP plugins and fixed the classify and split tools to match the live API, merged into the core codebase.
- Built an AI plugin that automates tedious script research and outlining for an animation studio.
- Designed the agentic procure-to-pay (P2P) cycle covering vendor selection, purchase order creation, and document reconciliation.

**10Pearls – Data Science Intern (Shine Program)** *Apr 2026 – Jun 2026*

- Developed a serverless AQI prediction system using Random Forest and XGBoost models, scheduling hourly and daily data pipelines to deliver 72-hour forecasts.
- Optimized database query performance by implementing timestamp filters on the feature group, reducing data pipeline latency from over 100 seconds to under a second.

**IBA Karachi – Data Structures Teaching Assistant** *Aug 2025 – Dec 2025*

- Ran weekly lab sessions and office hours for ~30 students, graded quizzes and submissions to improve performance throughout the semester.

**Headstarter – Software Engineering Fellow** *Aug 2024 – Sep 2024*

- Shipped 2 AI products – Storage Organizer and Studyfy AI (YouTube video summarization via OpenAI transcription API) – both live on Vercel within a 2-month accelerator.

## EXTRACURRICULAR ACTIVITIES

- **AIESEC in IBA | Oct 2023 – Aug 2025:** Recruited new members by conducting panel interviews and group discussions, evaluating candidates on cultural fit and values alignment.
- **26th HEC Men's Shooting Championship – Air Rifleman | Nov 2024 – Jan 2025:** Competed nationally, qualifying and representing IBA Karachi in a high-pressure individual discipline.
- **Out-of-thin-Air Game Jam – Team Captain | Sep 2023:** Led 3-member team to design and ship original game 'Pinpoint'.

## TECHNICAL SKILLS

**Languages:** Python, TypeScript, JavaScript, C++, SQL

**Frameworks:** Next.js, React, React Native, Expo, Node.js, Express, Prisma

**Tools:** Supabase, PostgreSQL, Git, Power BI, Power Automate, GitHub Actions, Claude Code, GitHub Copilot, Hermes Agent