

Maheer Ashhab Naveen

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EDUCATION

Arizona State University (Barrett, The Honors College) May 2027
B.Sc. Computer Science **GPA 4.00**

- **Coursework:** Operating Systems, Digital Hardware Design, Data Structures & Algorithms, OOP (Java), Probability & Statistics

TECHNICAL SKILLS

Languages: TypeScript, Python, JavaScript, Java, SQL
Frameworks: React, Spring Boot, Tailwind CSS, Expo
Databases: PostgreSQL, Supabase
Deployment & Platforms: Vercel, Railway
Tools & Systems: Git, Linux, npm, Jira
Low-Level: MIPS, x86

PROJECTS

turfFinder Summer 2025 - Present

- Designed and built a full-stack application using React, TypeScript, and Tailwind, supporting **500+ active users** across **20+ turf fields**, replacing manual coordination workflows
- Deployed backend services using Spring Boot on **Railway** and frontend on **Vercel**, enabling scalable and reliable access
- Developed REST APIs for player matching and session bookings, handling **100+ booking requests** with validation and conflict resolution
- Modeled a **PostgreSQL** schema for users, sessions, and availability, ensuring **real-time session updates** and eliminating inconsistent booking states
- Implemented role-based access control (player, host, admin) and input validation, resulting in **zero unauthorized data modifications** during live usage

Modular Arithmetic Calculator Spring 2025

- Built a React frontend with a Python backend to automate **multi-step modular arithmetic computations** encountered in Discrete Mathematics coursework
- Implemented efficient algorithms for addition, subtraction, multiplication, exponentiation, and modular inverses, supporting **5+ core operation types** across dozens of test cases
- Validated outputs against **100% of hand-worked examples**, ensuring correctness for large inputs and edge cases

WORK EXPERIENCE

Academic Support Network, Arizona State University, Tempe AZ Jan 2025 - Present
Subject Area Tutor (Part-Time)

- Tutored **300+ students** in **Python, Java, C++**, and **Data Structures & Algorithms**, improving problem-solving and debugging skills
- Guided students through **recursion, trees**, and **algorithmic reasoning** in one-on-one sessions
- Helped students break down complex problems into **structured solutions**, increasing **confidence** and **performance** in coursework

LEADERSHIP & ACTIVITIES

Alpha Lambda Mu, Arizona State University May 2025 - Present
Vice-President of Public Relations

- Designed and launched **7+ merchandise pieces** and social media campaigns using **Adobe Photoshop** and **Canva**
- Increased **social media reach by 21%** and **engagement by 55%** through targeted content strategy
- Coordinated outreach initiatives and partnerships to **expand campus presence**