

INTEKHAB AHMAD

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SUMMARY

Software developer and senior CS + Mathematics double major (graduating May 2026) with **3+ years of hands-on experience** across mobile development, full-stack engineering, and bioinformatics research. Built and shipped **15+ projects** including a Flutter marketplace for 10,000+ users and an award-winning genomics pipeline. Proven in research, teaching, and collaborative software development. Actively seeking full-time software engineering roles.

EDUCATION

- Arkansas State University** **Jan 2023 – May 2026**
Jonesboro, AR
Bachelor of Science — Double Major in **Computer Science** and **Mathematics**
Minor: Electrical Engineering | Certification in Statistics | GPA: *(include if 3.5+)*

EXPERIENCE

- Research Assistant — Arkansas Biosciences Institute** **Apr 2024 – Present**
Jonesboro, AR
Mentor: Dr. Jonathan Stubblefield | osf.io/mfdwp
 - **Won 3rd place out of 40+ teams** at the DART 2024 Poster Competition for co-authored research on bacterial speciation.
 - Applied hierarchical clustering on 1,500+ RefSeq genomes to study *Brucella*–*Ochrobactrum* speciation using Python and R.
 - Contributed to 2+ INBRE-funded genomics projects, building bioinformatics pipelines for comparative genome analysis.
- Mathematics Tutor — KOL Math Learning Commons** **Jun 2023 – Present**
Jonesboro, AR
Arkansas State University
 - Delivered one-on-one and group tutoring across **multiple math disciplines** to a diverse student population.
 - Diagnosed learning gaps and adapted instructional strategies to improve student problem-solving outcomes.
 - Consistently maintained a high appointment utilization rate, reflecting strong demand from students.
- Teaching Assistant — Mathematics** **Apr 2024 – May 2025**
Jonesboro, AR
Arkansas State University
 - Co-instructed **4 sections of 30+ students** in Developmental Mathematics, supporting lecture delivery and student assessments.
 - Designed and delivered weekly lesson plans and quizzes in alignment with departmental curriculum standards.
 - Recognized by faculty for clear communication and measurable improvement in student performance.
- Flutter Development Intern** **Jun 2022 – Jul 2022**
Remote/On-site
Solitaire Infosys, Punjab, India
 - Shipped **9 production-ready Flutter modules** for iOS and Android within a 6-week program.
 - Reduced project setup time by **25%** by restructuring codebase and improving documentation.
 - Collaborated with a cross-functional team of 5+ interns to design UI/UX for e-commerce and task management apps.

PROJECTS

- Student Marketplace Web App — Capstone** **Jan 2025 – May 2025**
Jonesboro, AR
github.com/katespeed/marketplace | Flutter, Firebase, Firestore
 - Built a full-stack cross-platform marketplace for 10,000+ campus users using Flutter and Firebase.
 - Developed live chat, listings, reviews, and search with Firebase Auth, Firestore, and Cloud Storage.
 - Delivered **100% of planned features** by demo day; received highest marks in capstone project review.
- 4 Android Apps Suite** **Jan 2024 – May 2024**
Jonesboro, AR
github.com/IntekhabIA/android-kotlin-projects | Kotlin, SQLite, Android Studio
 - **GeoQuiz**: Multi-screen quiz app with persistent score tracking using local storage.
 - **Photo Gallery**: Async image loading from open API (100+ images) with RecyclerView.
 - **Criminal Intent**: Crime log app with **SQLite database** (200+ entries), photo capture, and GPS tagging.
 - **Animation App**: Fluid UI with 5+ animated state transitions using Android Animation API.
- Bacterial Genome Clustering Pipeline** **Apr 2024 – Present**
Jonesboro, AR
osf.io/mfdwp | GitHub | Python, R
 - Built a reproducible bioinformatics pipeline for hierarchical clustering of **1,500+ bacterial genomes**.
 - Research contributed to peer-reviewed work on genus-level speciation; poster **awarded 3rd place at DART 2024**.

CERTIFICATIONS & AWARDS

- **3rd Place — DART 2024 Poster Competition** (out of 40+ entries), Arkansas State University, 2024
- **Certification in Statistics** — Arkansas State University, Dec 2025
- **Certified Ethical Hacker** — Homefic Wegrow, Jun 2021
- **Flutter Development Training** — Solitaire Infosys, Jul 2022
- **Basics of Data Science Using R** — Chandigarh University, Jan 2022
- **Java Training, Spring MVC, Software Testing, Computer Architecture** — Additional technical certifications

REFERENCES

Dr. Amanda Lambertus

Department Chair, Associate Professor of Mathematics
Faculty Supervisor – Teaching Assistantship
Arkansas State University
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Dr. Lisa Rice

Associate Professor of Mathematics
Director – KOL Math Tutoring Center
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Mr. Binh T. Nguyen

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Dr. Jonathan Stubblefield

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