Akash Maji

akashmaj.me | +91-9131697371
akashmaji945@gmail.com | akashmaji@iisc.ac.in

EDUCATION

INDIAN INSTITUTE OF SCIENCE
M.Tech in Computer Science
Pursuing | 2024-2026 | Bangalore, IN
Dept of CSA | IISc, Bangalore
Cum. GPA: 8.50 / 10.0

RGPV UNIVERSITY, BHOPAL
B.Tech in Computer Science
Graduated | 2017-2021 | Bhopal, IN
Dept of CSE | TIT Science, Bhopal
Cum. GPA: 9.39 / 10.0
Result: Distinction (Hons.)

KRISHNA PUBLIC SCHOOL
HSC | Physics, Chemistry, Maths
2015 - 2017 | Bhilai , IN
Class XII Boards: 95.4 / 100.0

DAFFODIL PUBLIC SCHOOL
Matriculation | Science Stream
2005 - 2015| Raigarh , IN
Class X Boards: 94.5 / 100.0

COURSEWORK

UNDERGRADUATE
Operating Systems | Databases | Computer Networks | Computer Organization | Digital Logic Design | Discrete Math | Compiler Design | Theory of Computation

GRADUATE
Algorithms | Probability and Statistics Databases | Computer Architecture | Optimizations | Machine Learning | Cryptography | Distributed Systems

ACHIEVEMENTS

2024	GATE CS	AIR 026
2023	GATE CS	AIR 608
2024	GATE DA	AIR 648

SKILLS

PROGRAMMING
Industry experience with:
Java • JavaScript • Spring • Eclipse/STS • Oracle DB • JIRA •GitLab •SQL
Proficient with:
Java • C/C++ • Python • VSCode • Git

SOFT SKILLS
Native Proficiency:
Business English • Hindi • Bengali

EXPERIENCE

TATA CONSULTANCY SERVICES | Systems Engineer
Aug 2021 – May 2024 | Full Time
- Worked as a System Engineer in TCS (Digital) as a Java Web Developer. Full-Stack.
- Received 3 Star of Month awards for managing the team and contributing to projects including development and production support.

INTERNSHALA | Applied ML Intern Intern
May 2020 – June 2020 | Online
Worked on learning basic Python, ML, and related technologies.

CERIFICATIONS

ORACLE CERTIFIED ASSOCIATE JAVA PROGRAMMER | Java 8
Feb 2019 | Bhopal, IN
Certified as a Java Programmer from Oracle through online proctored exam

MICROSOFT CERTIFIED AZURE FUNDAMENTALS | Azure
July 2020 | Online
Recognized as an entry-level cloud programmer from Microsoft

PROJECTS

DUCKDB | DBMS Course Project | GitHub
2024 | Bangalore, IN
Implemented two operators, 'Join' and 'GroupJoin' in the open-source DuckDB source-code, with 'Join' being simple nested loop join, and 'GroupJoin' being used when we have a any 'join' followed by 'group by' in the query.
Technologies Used
C++ • CMake • Git • SQL • VSCode

CHAMPSIM-IISC | HPCA Course Project | GitHub
2024 | Bangalore, IN
ChampSim-IISc is an adapted version of ChampSim (open-source simulator) with various kinds of branch predictors implemented for calculating performance metrics like prediction accuracy, MPKI, IPC etc. from program traces.
Technologies Used
C|C++ • Shell Scripting • Git • VSCode

LARGE PAGE ALLOCATOR | HPCA Course Project | GitHub
2024 | Bangalore, IN
Used 'perf mem' tool to obtain a sampled report of TLB misses at different logical addresses, and identified top N TLB-miss regions and allocated large pages to improve performance.
Technologies Used
C|C++ • Python • Git • Make• VSCode

LINKS

Github:// **akashmaji946**
LinkedIn:// **akashmaji946**
Website:// **akashmaji.me**