Alhaad Gokhale

Contact Information	GitHub: alhaad LinkedIn: alhaadgokhale	e-mail: alhaadgokhale[AT]gmail.com e-mail: alhaad[AT]google.com

Areas Of Interests Machine Learning / Artificial Intelligence, Distributed systems, Theoretical computer science.

Work Experience

Google India, Bangalore   **Senior Staff Software Engineer / Senior Manager**

Local & Travel Verticals   **Jan 2022 − Present**

Local and Travel verticals on Google.com. Leading a 20 person team.

Sports Vertical   **July 2018 − Jan 2022**

Live updating sports results on Google.com.

Google Inc, Mountain View, California   **Senior Software Engineer**

Fuchsia   **Jan 2015 − June 2018**

Worked on Fuchsia, a new operating system by Google. https://fuchsia.dev/

Search Infrastructure   **Oct 2013 − Dec 2014**

Worked with Search Infrastructure Serving team which is responsible for handling all search queries that come to Google.

Google Inc, Mountain View, California   **Intern, Summer 2012**

Worked with Crawl-Scheduler team which is responsible for determining the rate at which a website is recrawled by Google.

Nucleodyne Systems Inc, Cupertino, California   **Intern, Summer 2011**

Ported a power-aware implementation of the USB protocol stack on a bare-metal Power-PC platform.

National Center For Supercomputing Applications, UIUC   **Intern, Summer 2010**

Developed a model to quantify symmetry and randomness in a noisy image pattern.

Education

Indian Institute of Technology, Kharagpur

B.Tech.(Hons) + M.Tech., Computer Science and Engineering   **2008 − 2013**

Honours and Awards

- National Talent Search (NTS) Scholar
- Kishore Vaigyanik Protsahan Yojana (KVPY) Scholar
- Apeejay Talent Search (ATS) Scholar
- Secured an All-India Rank of 612 in the IIT Joint Entrance Examination, 2008
- Finalist for National Physics and Mathematics Olympiads

Publications

Gokhale, Alhaad, "A budget-based policy for operating system scheduling of background tasks", *Technical Disclosure Commons*, 2018.

Datta, Kamalika and Gokhale, Alhaad and Sengupta, Indranil and Rahaman, Hafizur, "An esop-based reversible circuit synthesis flow using simulated annealing", *Applied Computation and Security Systems*, pp. 131-144, 2015, Springer India.

Gokhale, Alhaad and Bajcsy, Peter, "Automated classification of quilt photographs into crazy and non-crazy", In *IS&T/SPIE Electronic Imaging*, 2011.

Patents

Gokhale, Alhaad and Brown, Jeff and Meschkat, Steffen and Giesing, Kris, "System And Method For Automatically Synchronizing Responses To Conditions On Devices", US Patent Application 15/808,153, filed November 2017. Patent pending.

Programming C, C++, Python, Java, Dart.