

Amit K. Gupta

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Objective:

To find a challenging position as a full-time employee and to gather valuable experience in the field of computer science.

Education:

M.S. Computer Science (Software Engineering)

expected May/01

University of Southern California, CA, USA

Coursework: Advanced Operating Systems, Software Architectures, Software Engg, Database systems, User Interface Design Issues, Computer Architectures, Compiler Design.

B.S. Computer Science

May/99

Dharmsinh Desai Institute of Technology, Guj, INDIA

Coursework: Operating systems, Computer Networks, Computer Organization, DBMS, Language Processors, Advanced Computing, Discrete Mathematics, Simulation & Modeling, Computer Graphics

Experience:

- **Teaching Assistant**, Information Technology Program (ITP) department, USC Jan/01 till Present
ITP499x-Enterprise Data Administration
- **Teaching Assistant**, Information Technology Program (ITP) department, USC Sep/00-Dec/00
ITP499x-Unix Administration, ITP499x-SQL Programming, ITP165- C++ programming.
- **Independent Consultant** for Neptune Overseas Pvt. Ltd., India May/00-Aug/00
Studied the feasibility of a project of Online Trading System for Commodity Exchanges.
Developed the prototype for trading engine using java and MS Access.
- **Teaching Assistant**, Information Technology Program (ITP) department, USC Feb/00- May/00
ITP265 - Programming Windows with MS Visual C++.
- **Windows NT Network Administrator**, Integrated Media Systems Center, USC Jan/00-Feb/00
Maintenance & troubleshoot hardware/software problems for Windows NT network.
- **Software Engineer**, Tectona Softsolutions Pvt. Ltd., India, Jan/99-Jul/99
Designed the database schema & data flow diagrams (DFD) for an ERP system & coded the system using Oracle & Java. Mentored on Java, DFD and time management schemes.
Devised the coding standards for Java for the company.

Projects:

- Developed a web portal for personalized homepage using Cold Fusion, Dreamweaver and MS Access.
- Designed Personalized Image Composer system for Integrated Library System at University of Southern California using Model Based Architecting and Software Engineering (MBASE) technique.
- Designed and developed Web Based Online Trading System using C2 style Architecture and Java.
- Developed Chatting Software using Socket Programming in VC++ (MFC)
- Designed, developed and hosted website for Neptune Overseas Pvt. Ltd. (India).
- Setup and Administration of Windows NT network.

Technical Skills:

- **Languages:** C/C++, Java, Java Script, ASP, HTML, XML.
- **Operating Systems:** WindowsNT/95/98, flavors of Unix, MS DOS, Linux
- **Applications:** Office2000, FrontPage2000, Photoshop5.0, PageMaker, Dreamweaver, Flash, Etc.
- **Database:** Oracle 8.0, MS Access, Developer 2000.
- **Internet:** Web designing, hosting/maintenance, various web servers, Cold Fusion.

Activities:

- Written a paper on Issues in handling continuous media data
- Written a paper on Micropayment Systems.
- Presentation on STRATA FLASH MEMORY